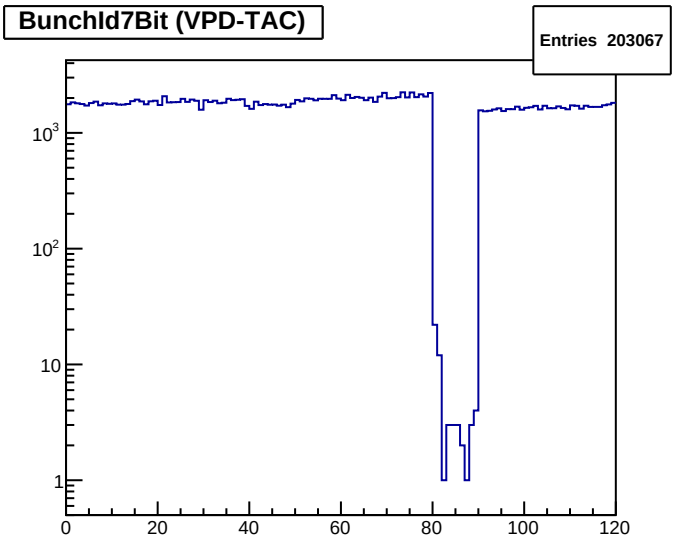
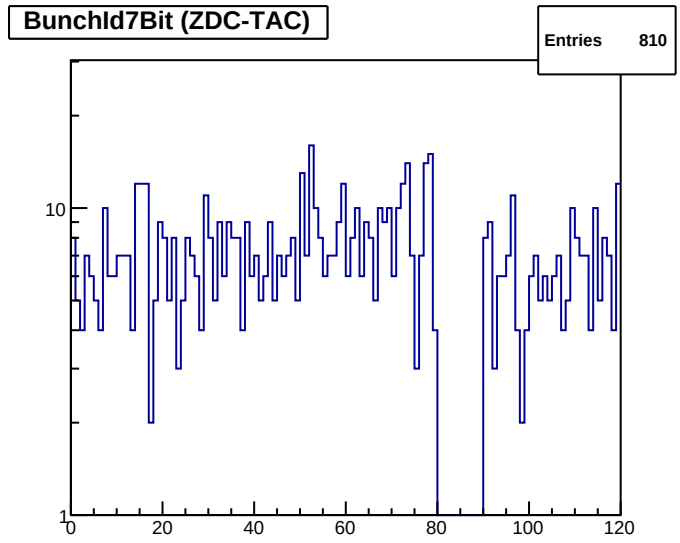
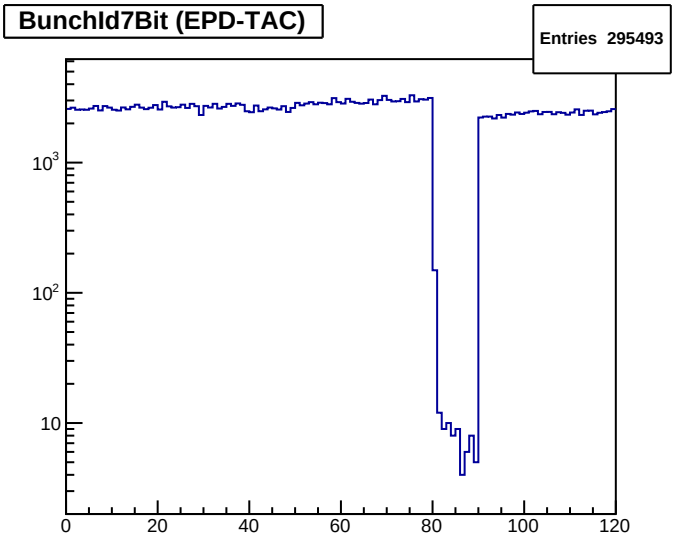
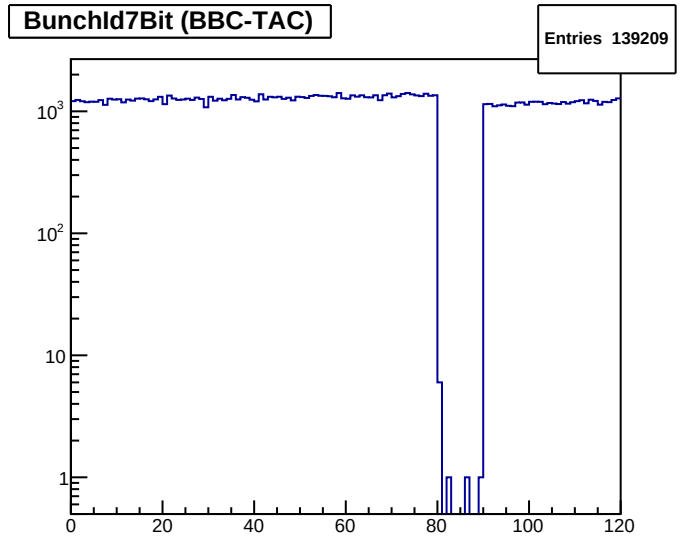
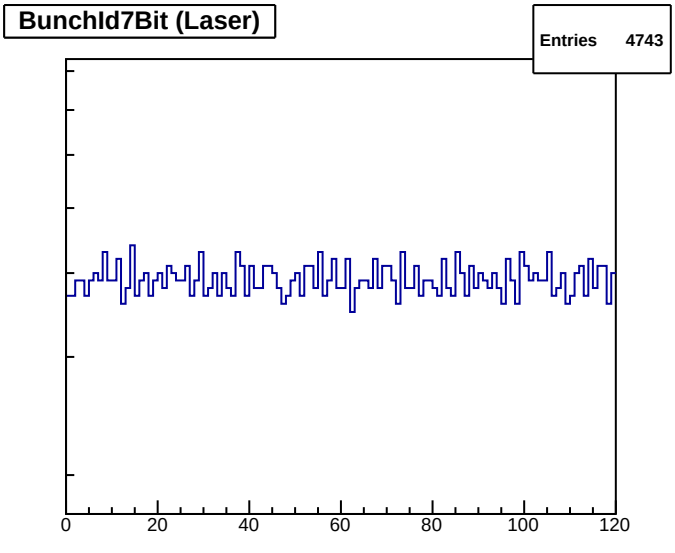
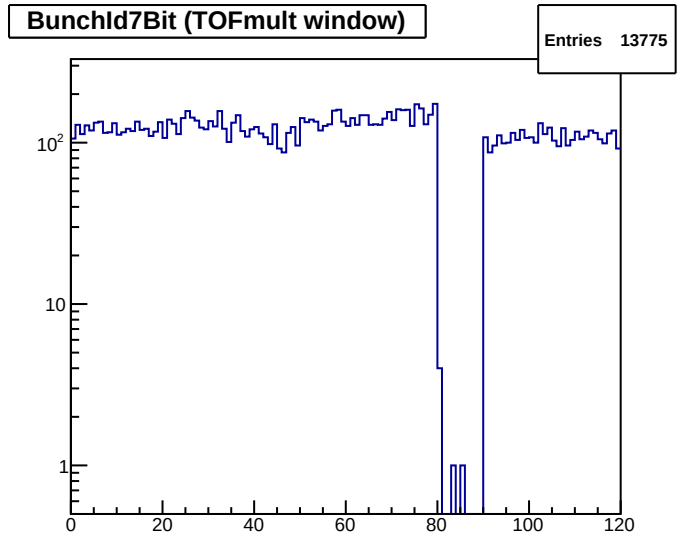

BunchId7Bit (VPD-TAC)
Entries 203067
10^3
10^2
10
1
0
20
40
60
80
100
120

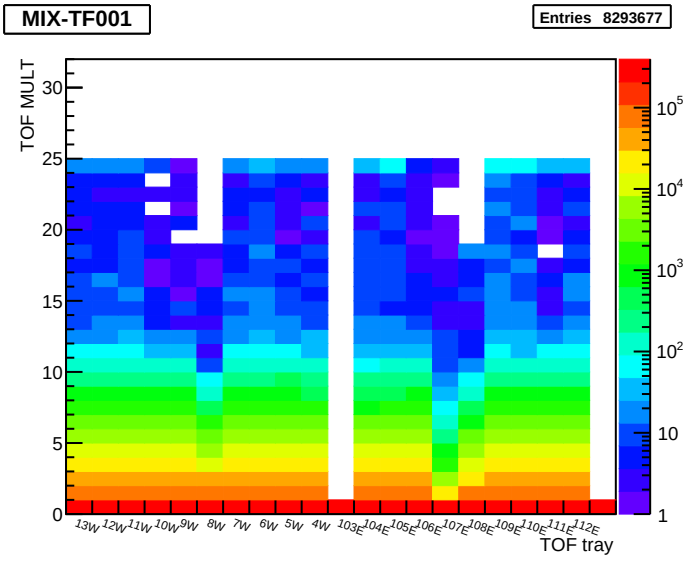

BunchId7Bit (ZDC-TAC)
Entries 810
10
1
0
20
40
60
80
100
120

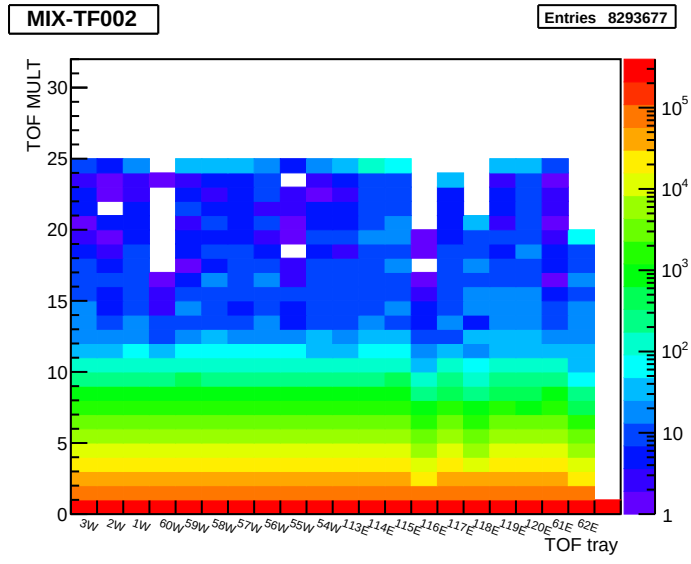

BunchId7Bit (EPD-TAC)
Entries 295493
10^3
10^2
10
0
20
40
60
80
100
120

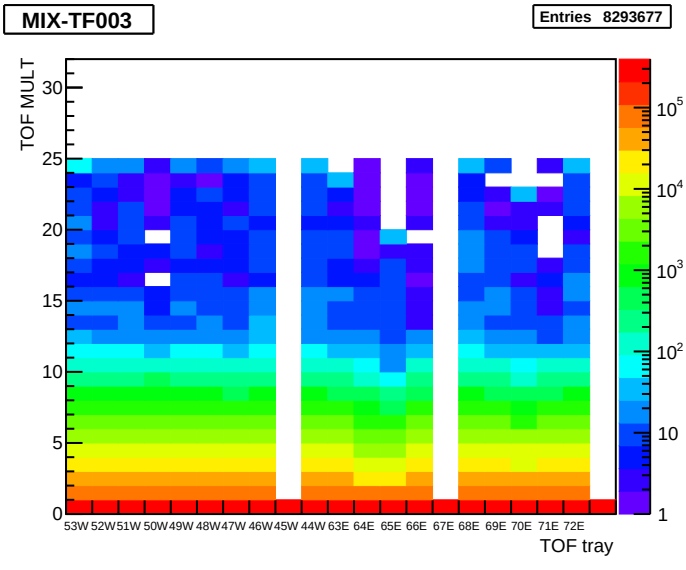

BunchId7Bit (BBC-TAC)
Entries 139209
10^3
10^2
10
1
0
20
40
60
80
100
120

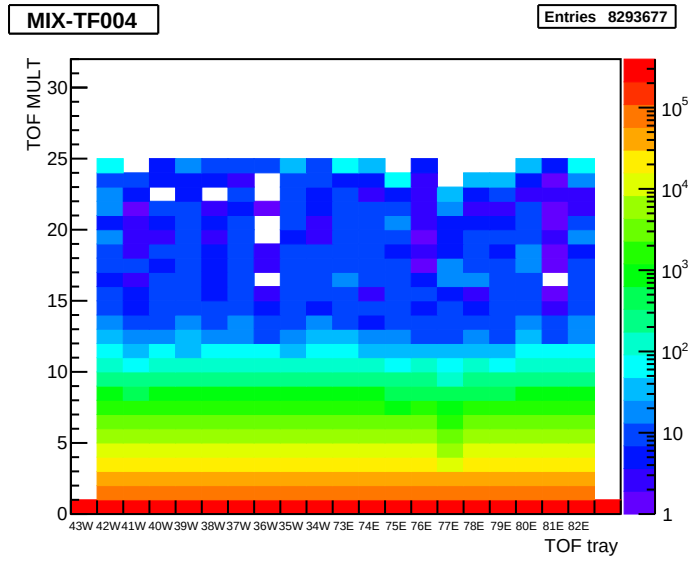

BunchId7Bit (Laser)
Entries 4743
0
20
40
60
80
100
120

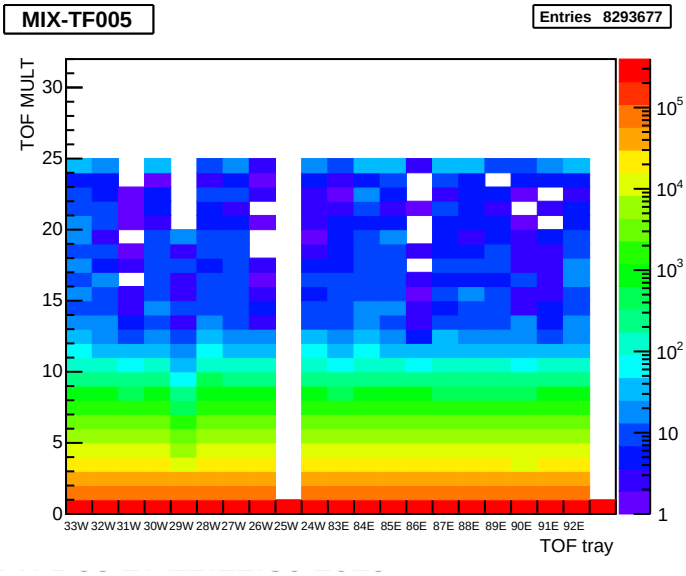

BunchId7Bit (TOFmult window)
Entries 13775
10^2
10
1
0
20
40
60
80
100
120

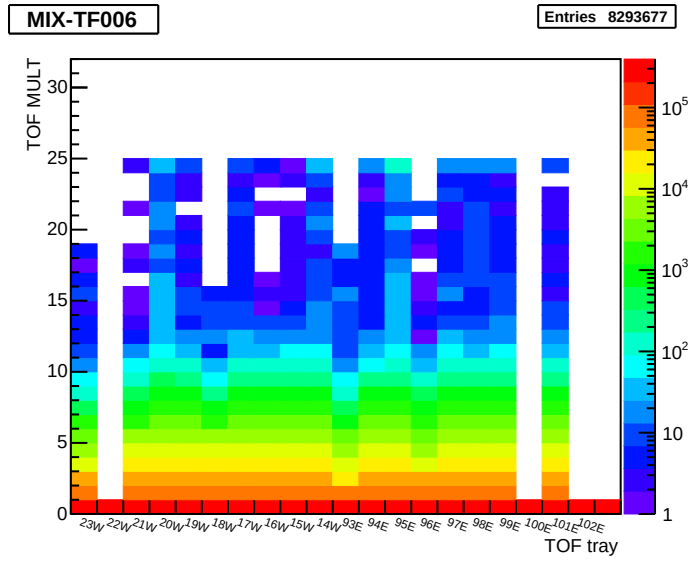

MIX-TF001
Entries 8293677
TOF MULT
TOF tray

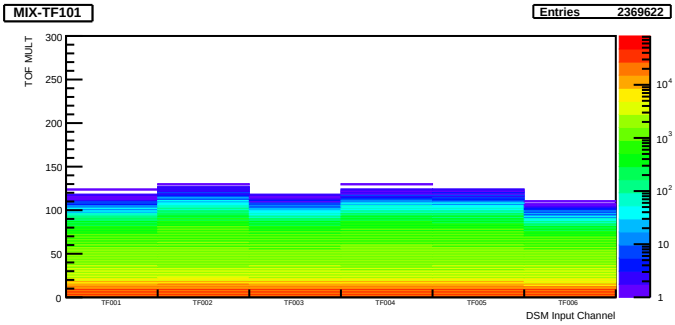

MIX-TF002
Entries 8293677
TOF MULT
TOF tray

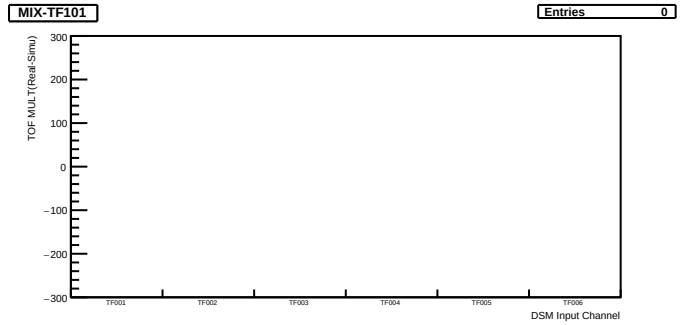

MIX-TF003
Entries 8293677
TOF MULT
TOF tray

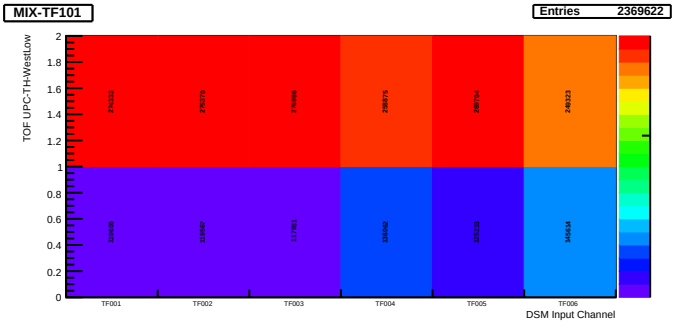

MIX-TF004
Entries 8293677
TOF MULT
TOF tray

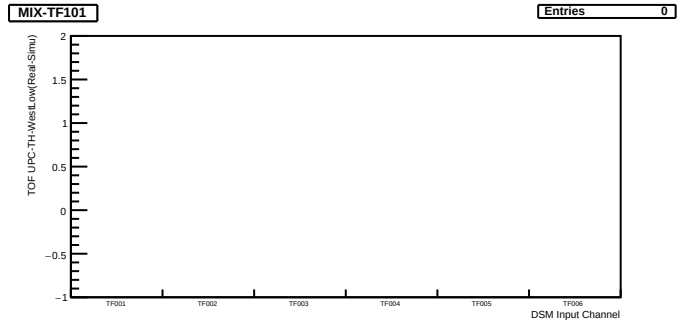

MIX-TF005
Entries 8293677
TOF MULT
TOF tray

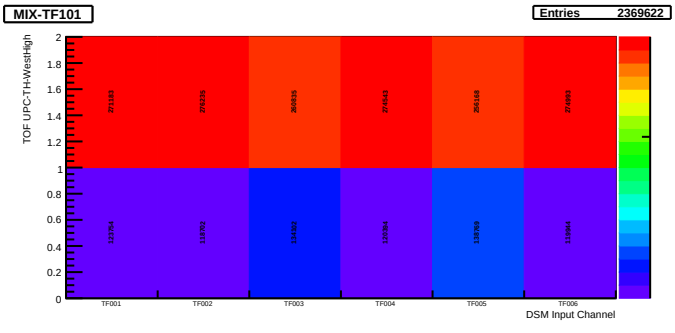

MIX-TF006
Entries 8293677
TOF MULT
TOF tray

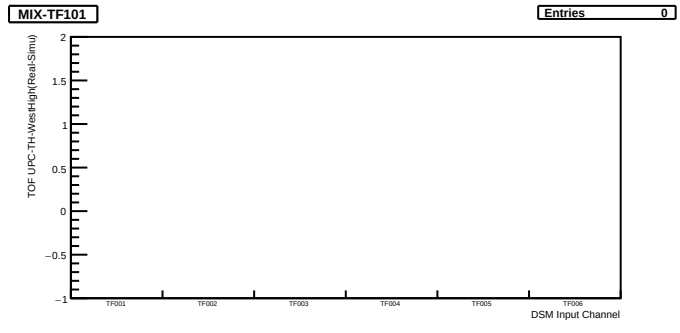

MIX-TF101
Entries 2369622
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

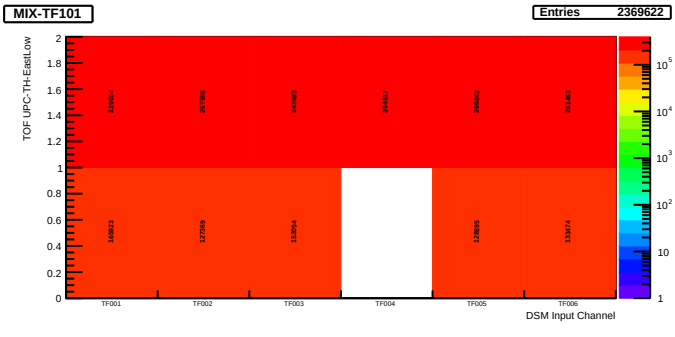

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

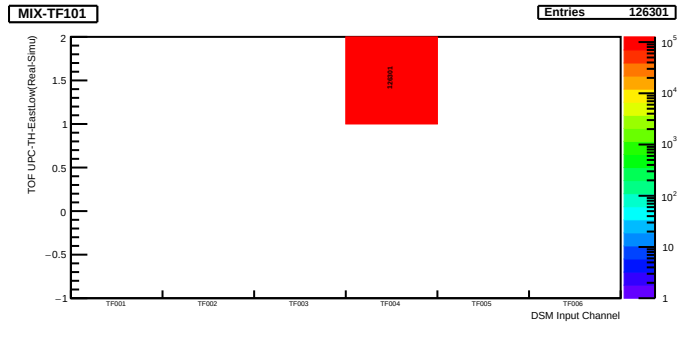

MIX-TF101
Entries 2369622
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

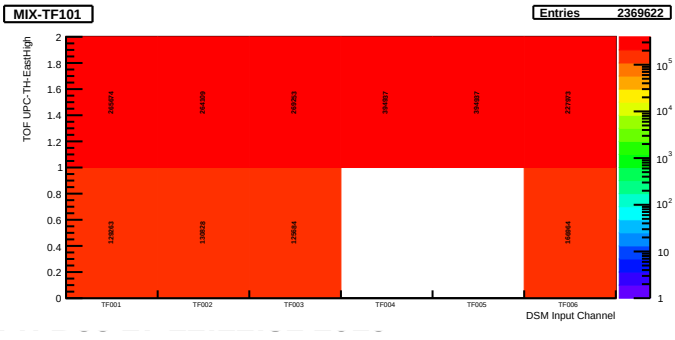

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

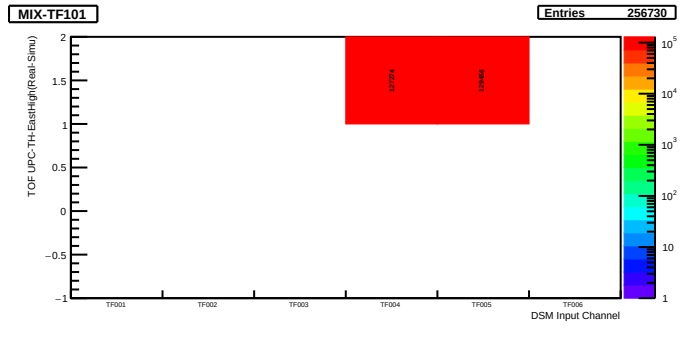

MIX-TF101
Entries 2369622
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

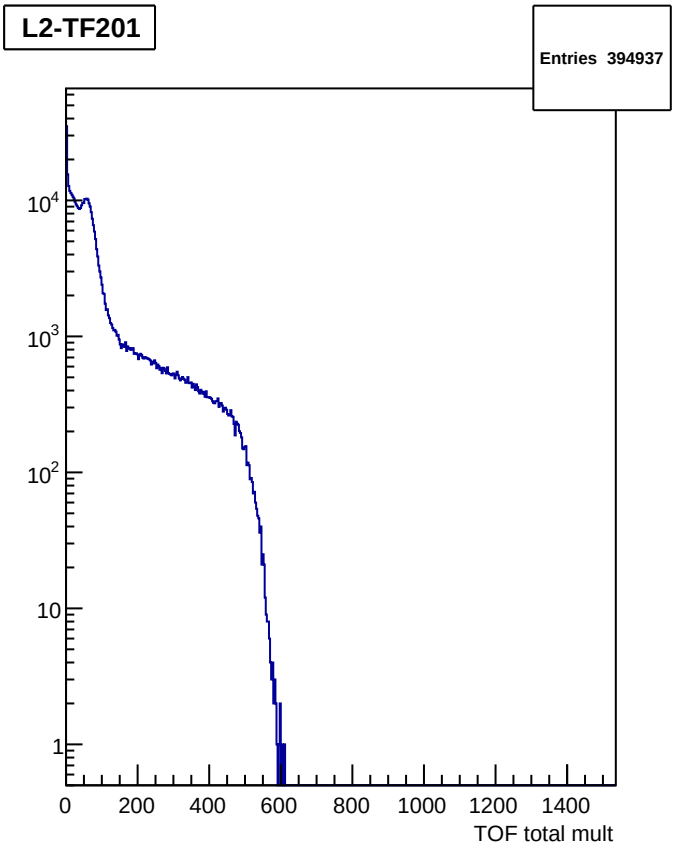

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

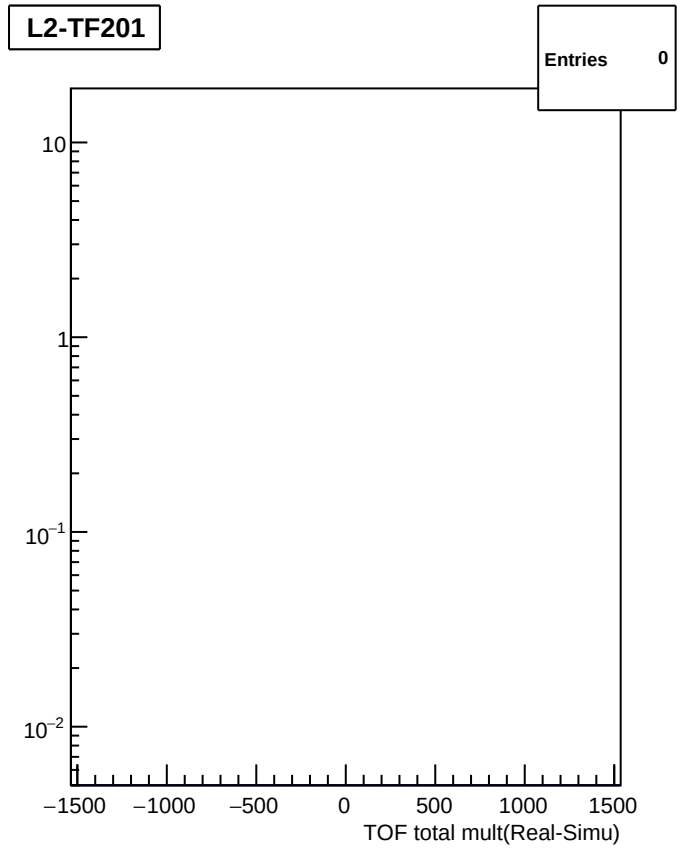

MIX-TF101
Entries 2369622
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

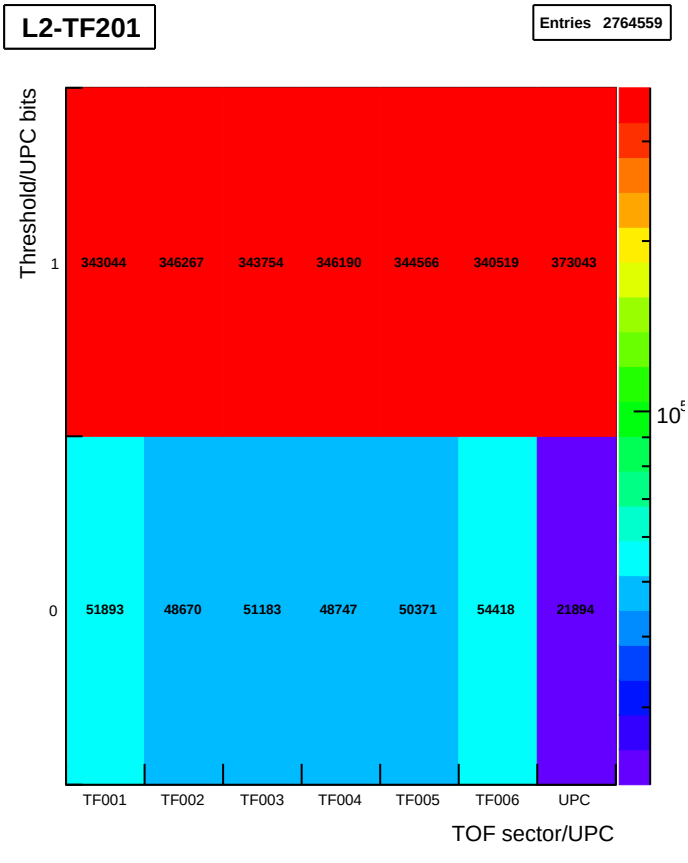

MIX-TF101
Entries 126301
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

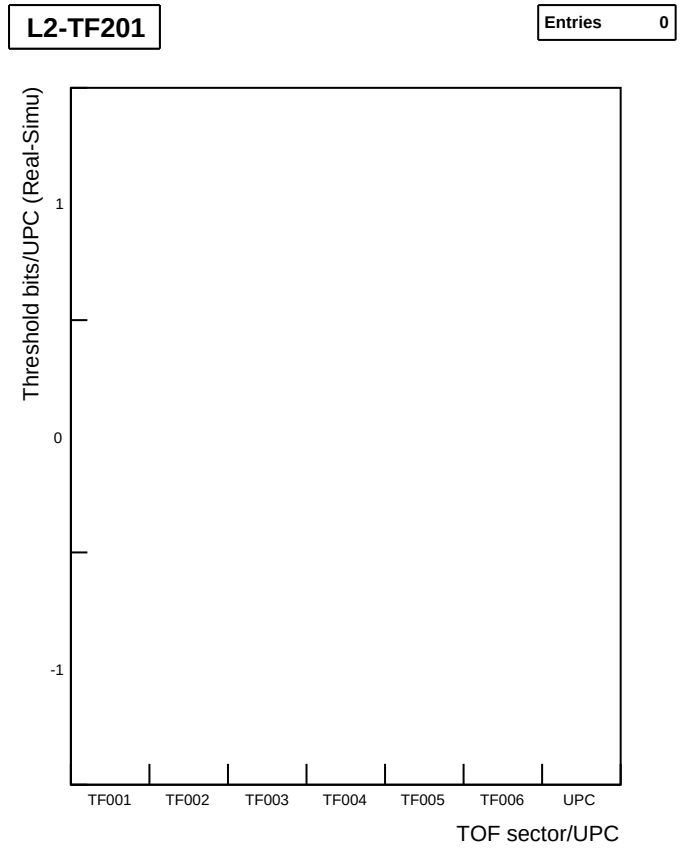

MIX-TF101
Entries 2369622
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

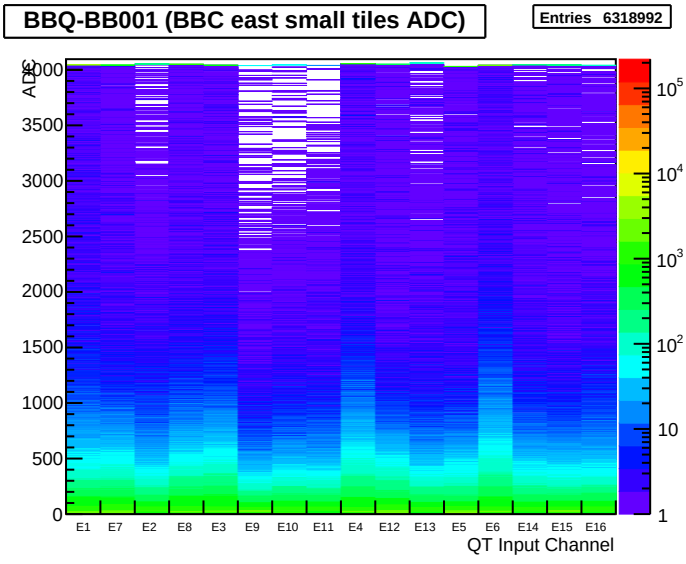

MIX-TF101
Entries 256730
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

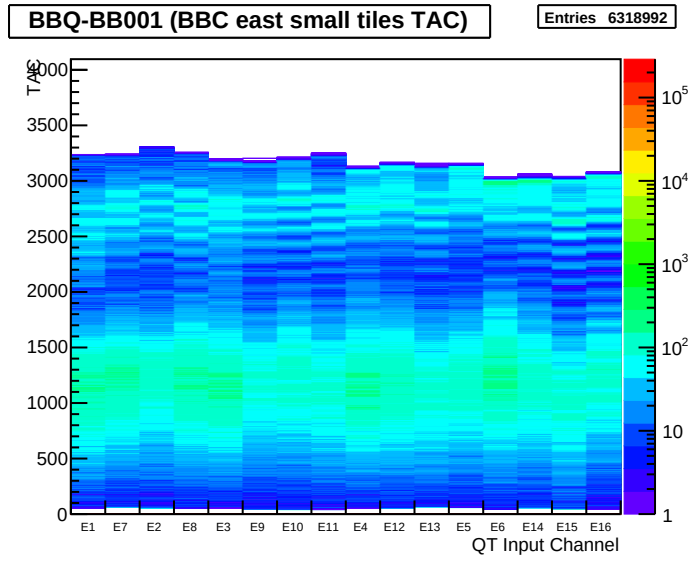

L2-TF201
Entries 394937
TOF total mult

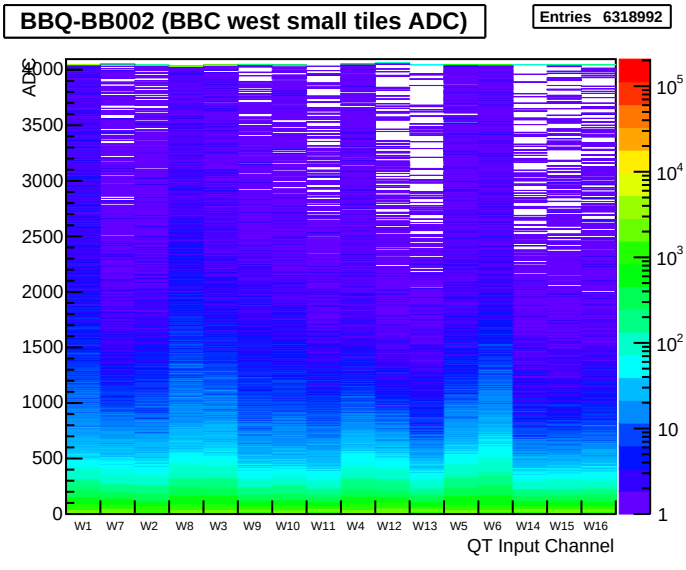

L2-TF201
Entries 0
TOF total mult(Real-Simu)

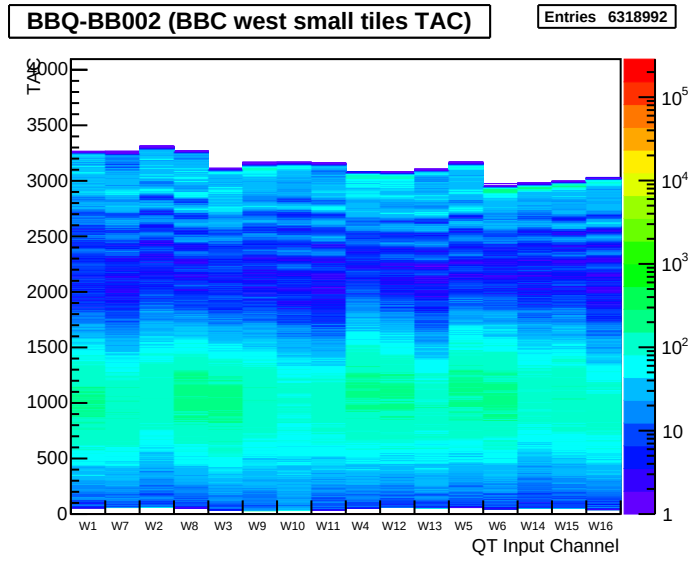

L2-TF201
Entries 2764559
Threshold/UPC bits
343044
346267
343754
346190
344566
340519
373043
51893
48670
51183
48747
50371
54418
21894
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

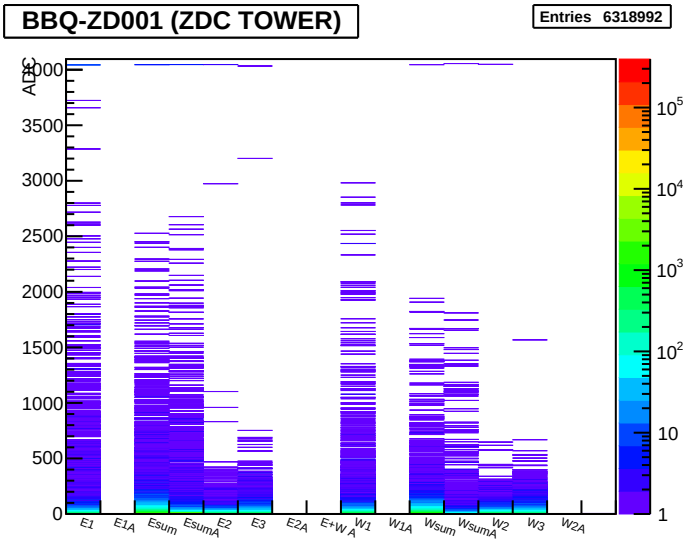

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

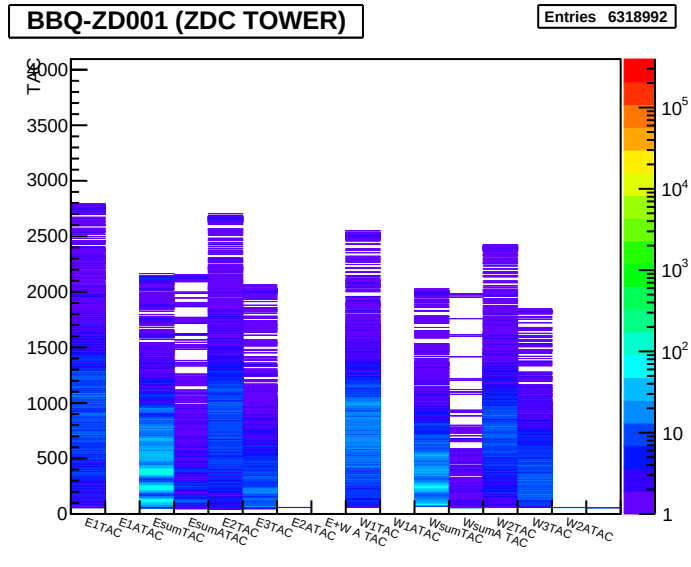

BBQ-BB001 (BBC east small tiles ADC)
Entries 6318992
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

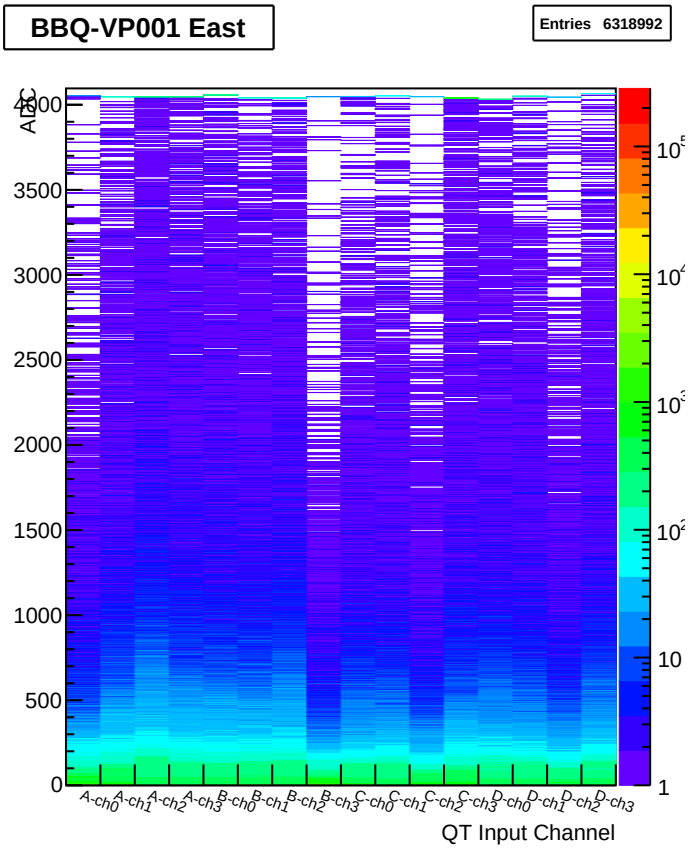

BBQ-BB001 (BBC east small tiles TAC)
Entries 6318992
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

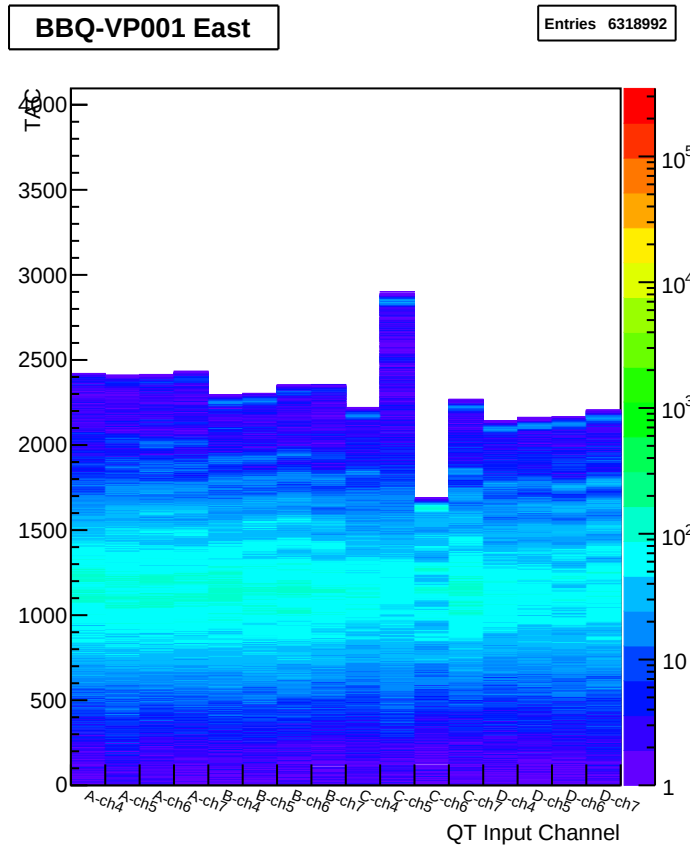

BBQ-BB002 (BBC west small tiles ADC)
Entries 6318992
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

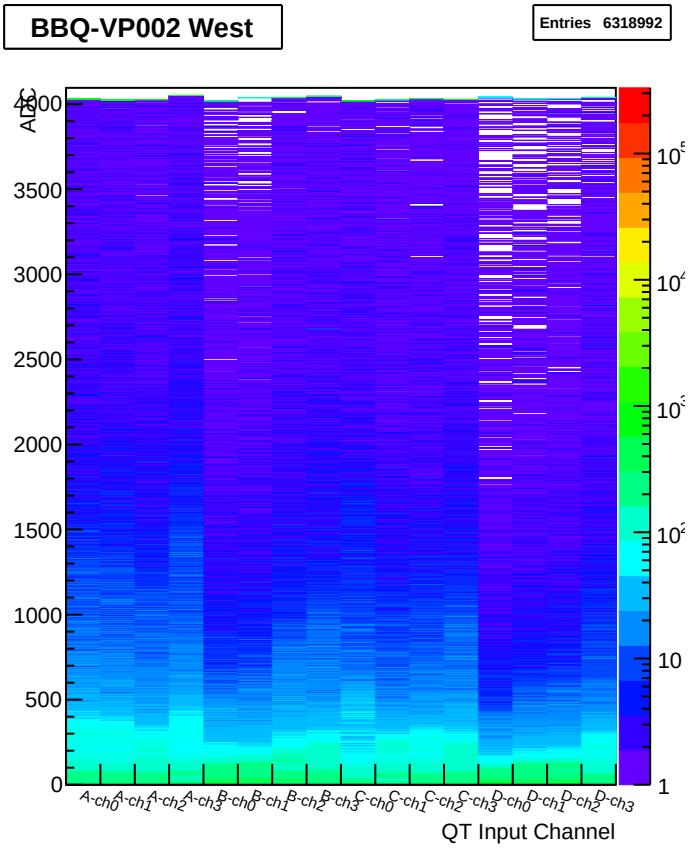

BBQ-BB002 (BBC west small tiles TAC)
Entries 6318992
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

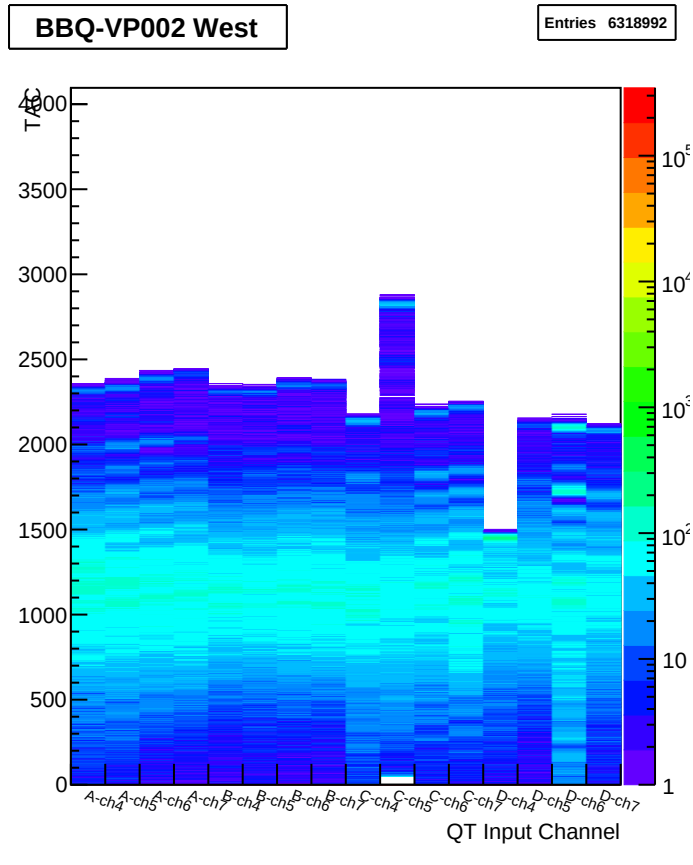

BBQ-ZD001 (ZDC TOWER)
Entries 6318992
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

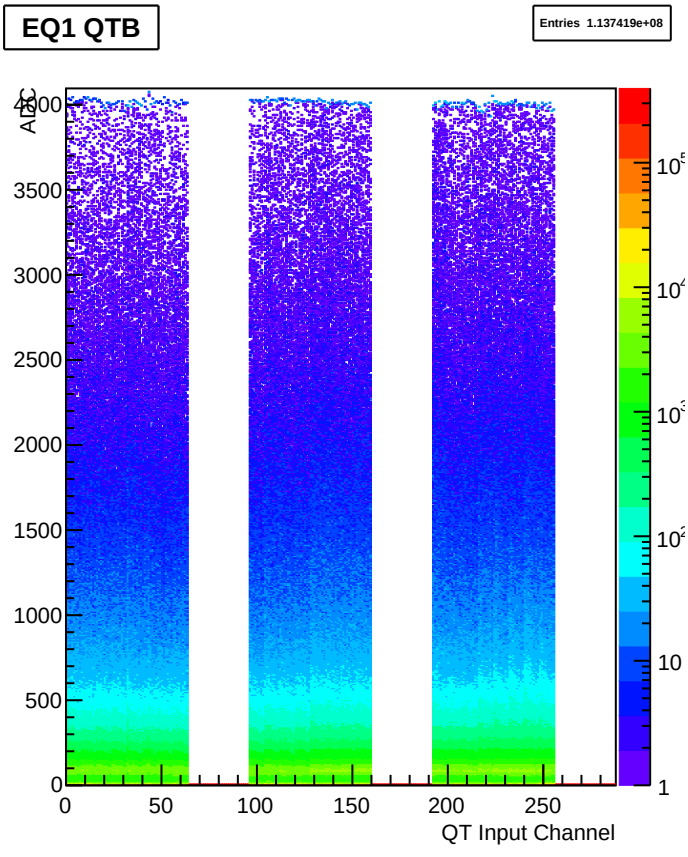

BBQ-ZD001 (ZDC TOWER)
Entries 6318992
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

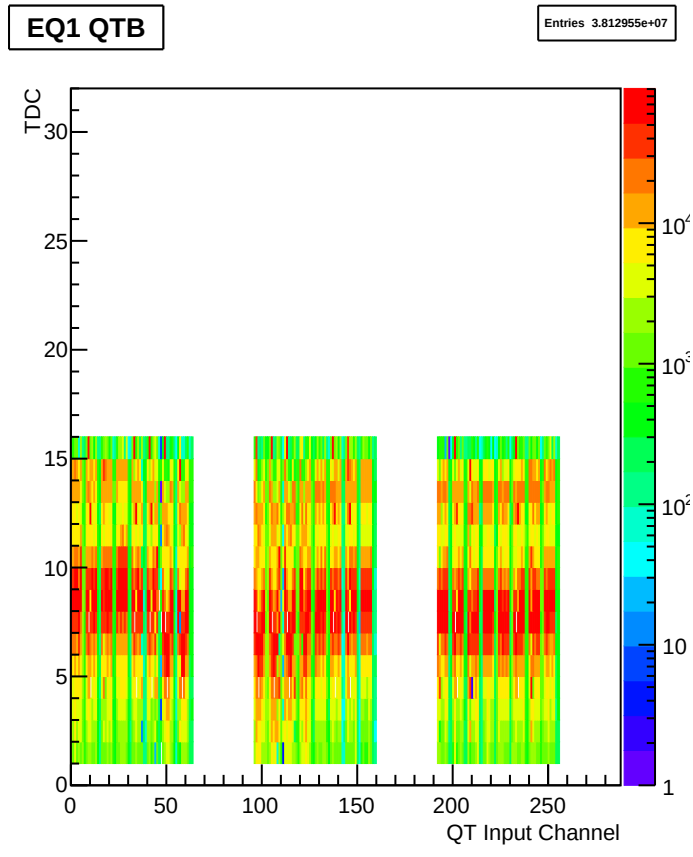

BBQ-VP001 East
Entries 6318992
ADC
QT Input Channel

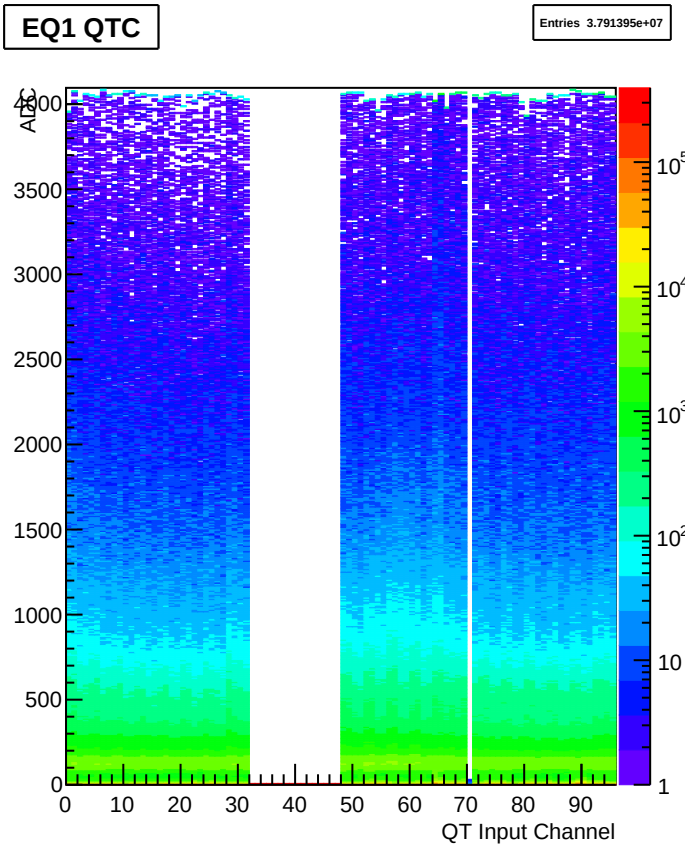

BBQ-VP001 East
Entries 6318992
TADC
QT Input Channel

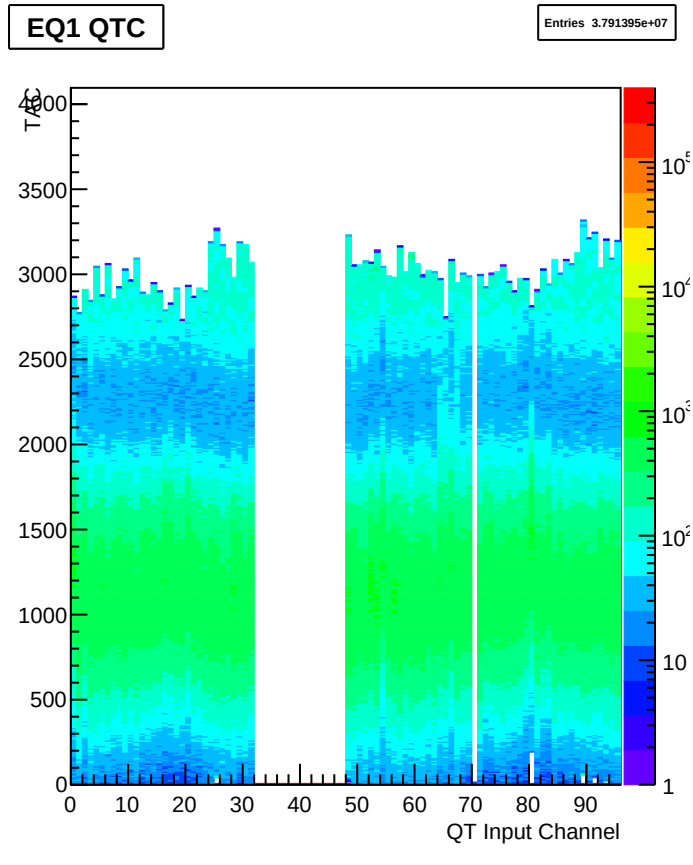

BBQ-VP002 West
Entries 6318992
ADC
QT Input Channel

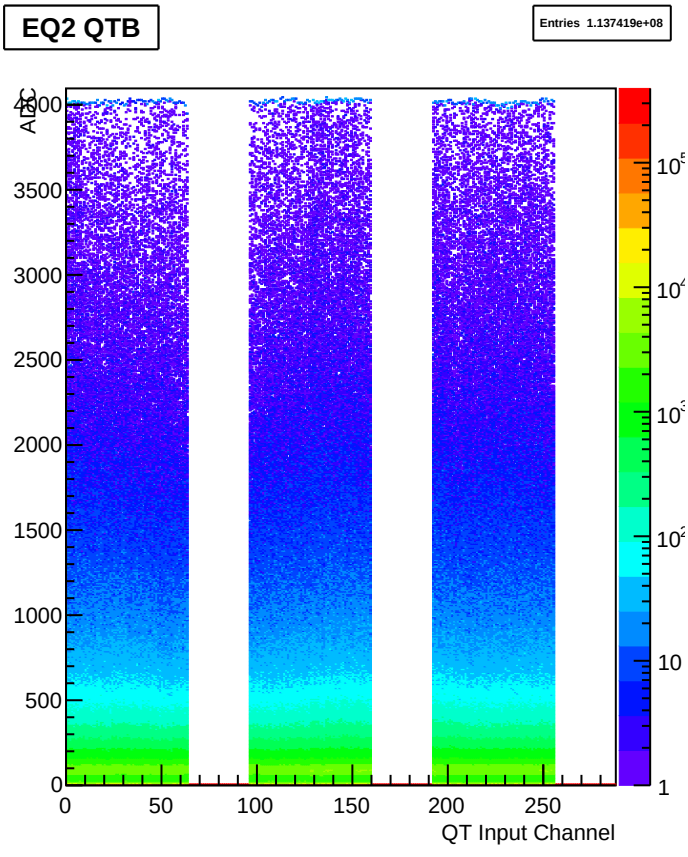

BBQ-VP002 West
Entries 6318992
TADC
QT Input Channel

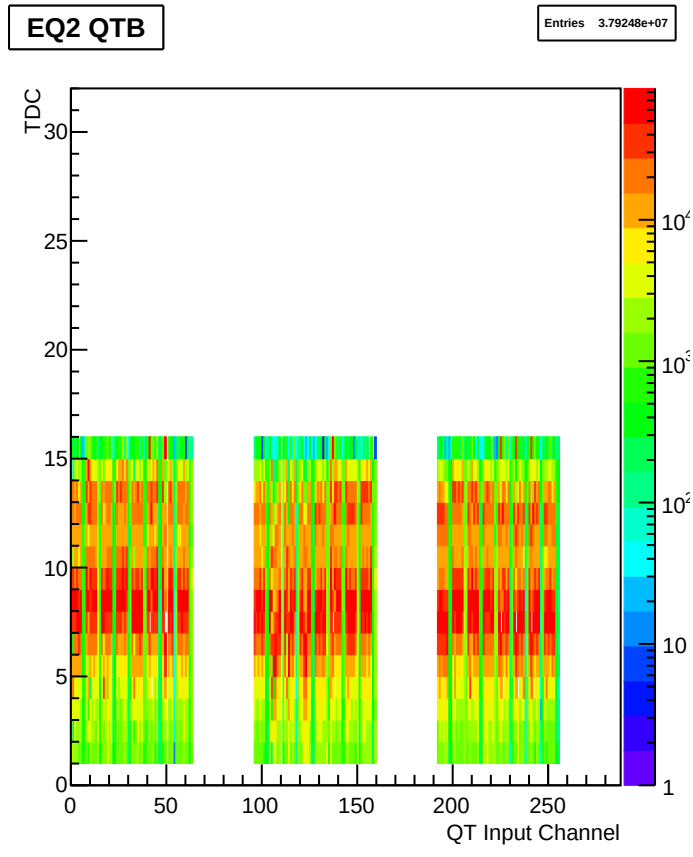

EQ1 QTB
Entries 1.137419e+08
ADC
QT Input Channel

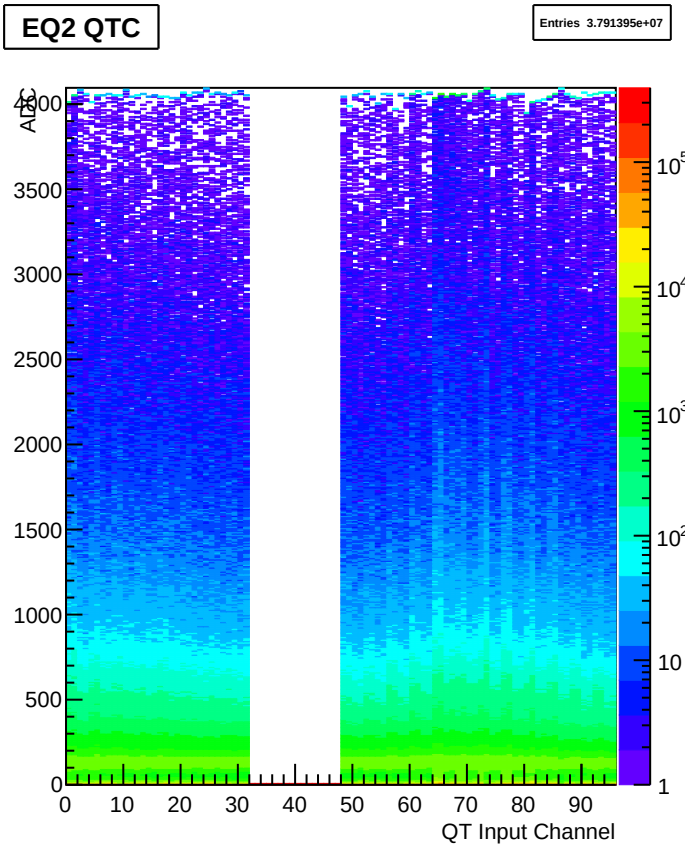

EQ1 QTB
Entries 3.812955e+07
TDC
QT Input Channel

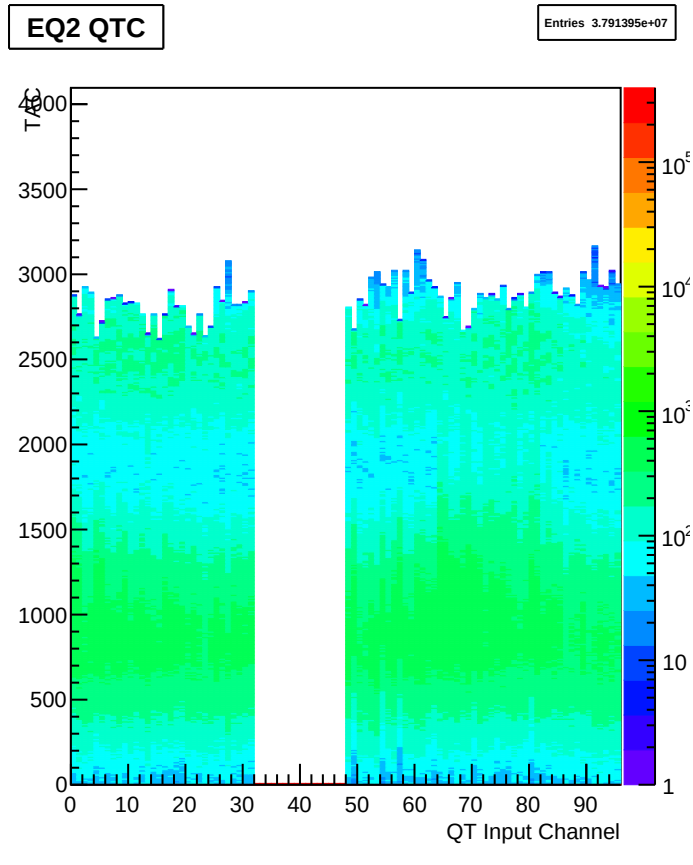

EQ1 QTC
Entries 3.791395e+07
ADC
QT Input Channel

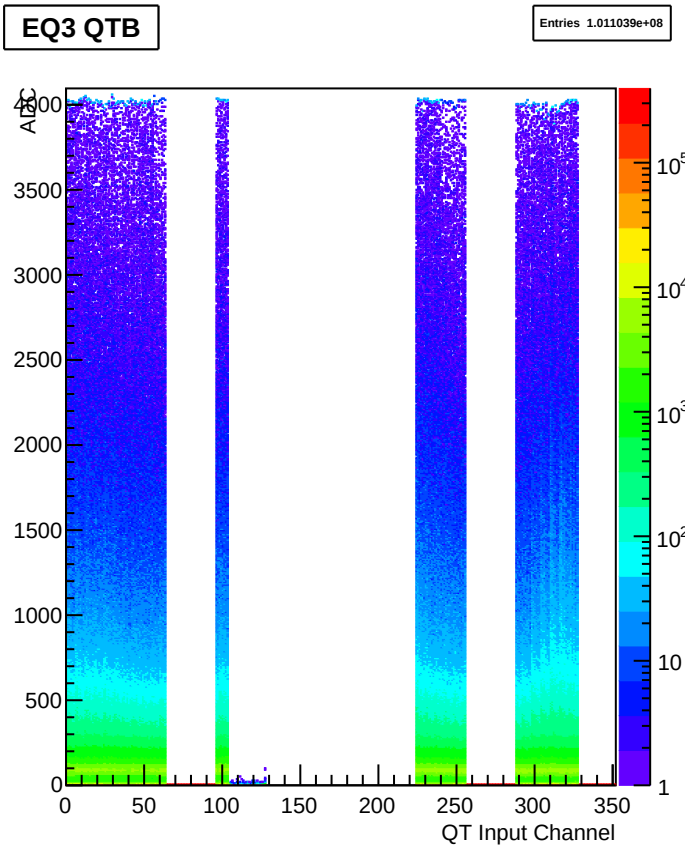

EQ1 QTC
Entries 3.791395e+07
TADC
QT Input Channel

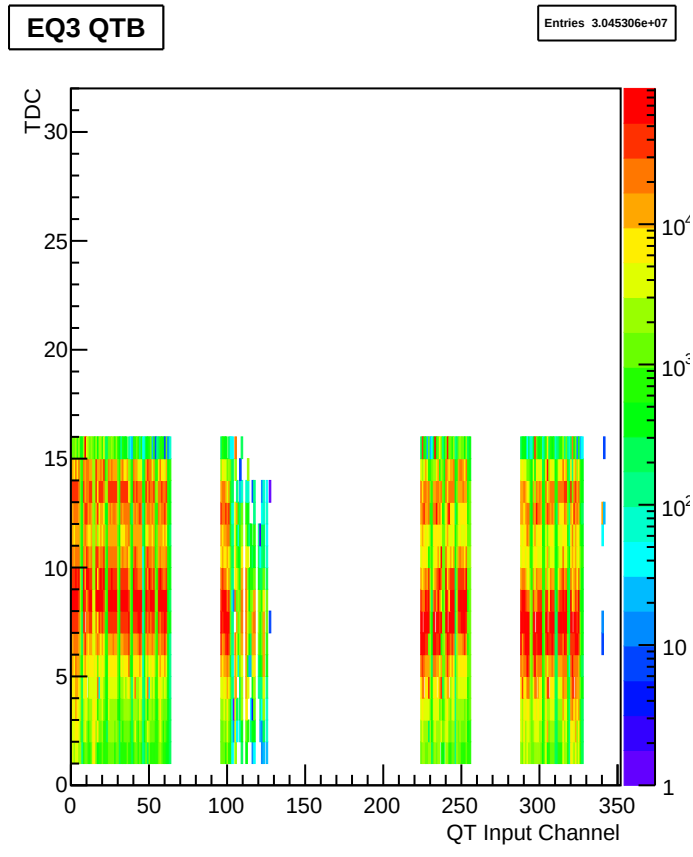

EQ2 QTB
Entries 1.137419e+08
ADC
QT Input Channel

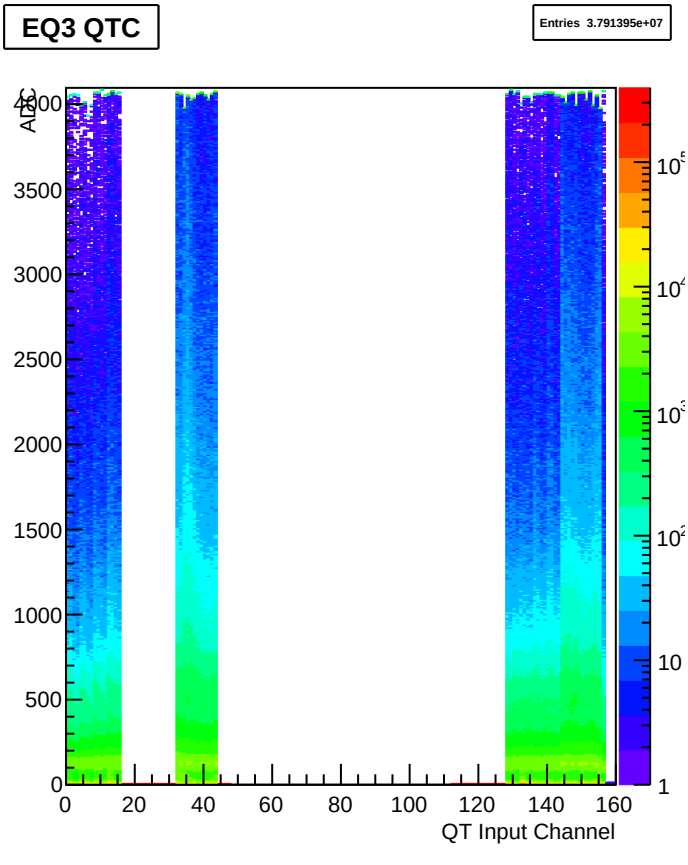

EQ2 QTB
Entries 3.79248e+07
TDC
QT Input Channel

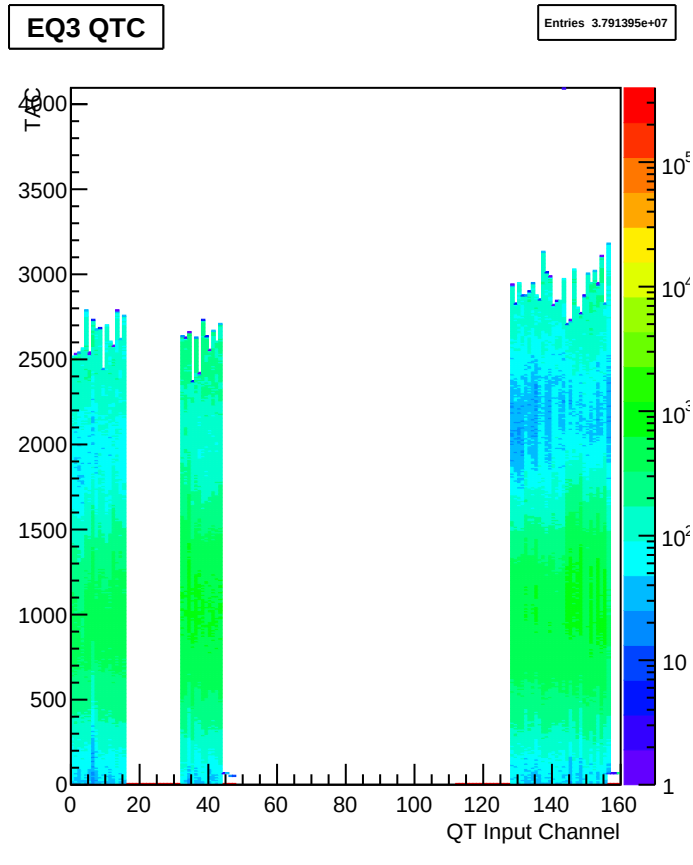

EQ2 QTC
Entries 3.791395e+07
ADC
QT Input Channel

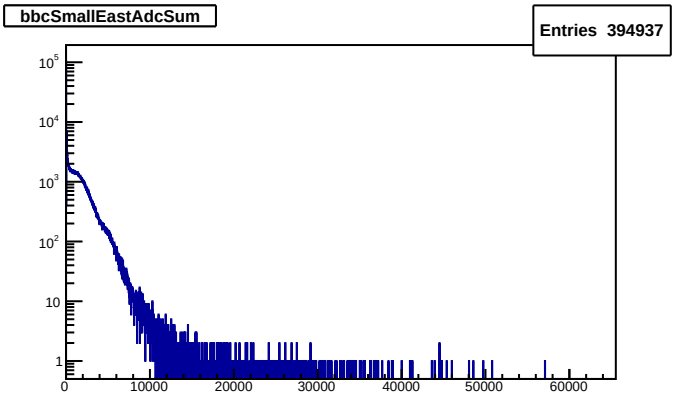

EQ2 QTC
Entries 3.791395e+07
TADC
QT Input Channel

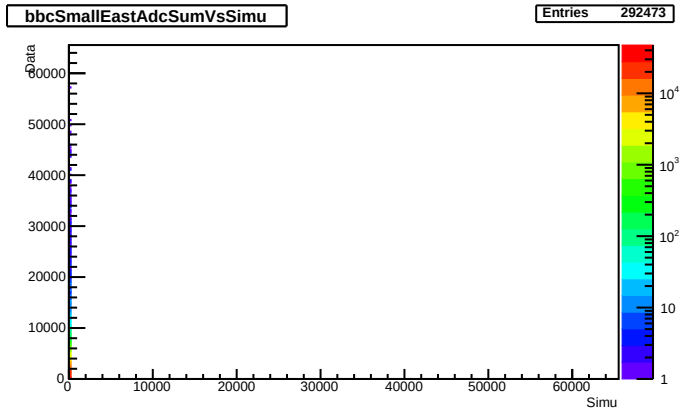

EQ3 QTB
Entries 1.011039e+08
ADC
QT Input Channel

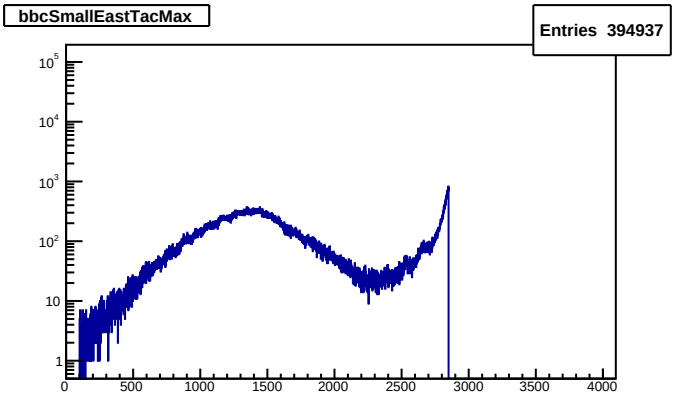

EQ3 QTB
Entries 3.045306e+07
TDC
QT Input Channel

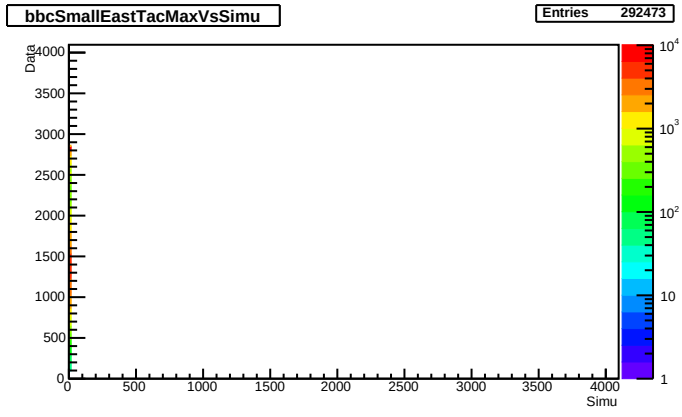

EQ3 QTC
Entries 3.791395e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.791395e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 394937


bbcSmallEastAdcSumVsSimu
Entries 292473
Data
Simu


bbcSmallEastTacMax
Entries 394937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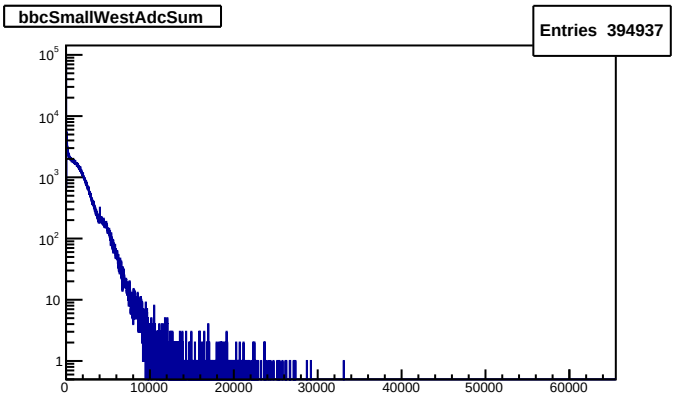
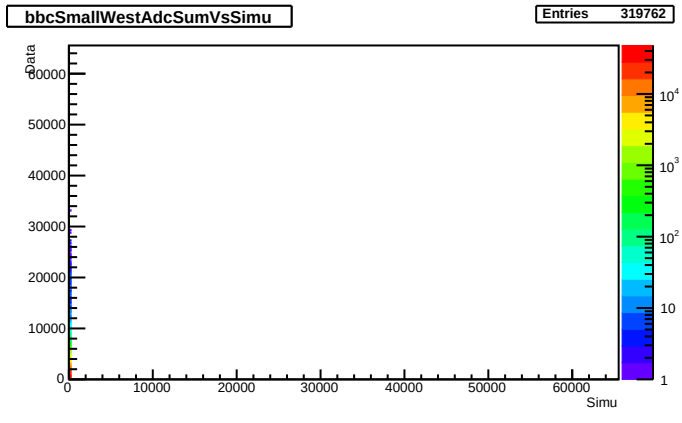
Entries 292473
Data
Simu


bbcSmallWestAdcSum
Entries 394937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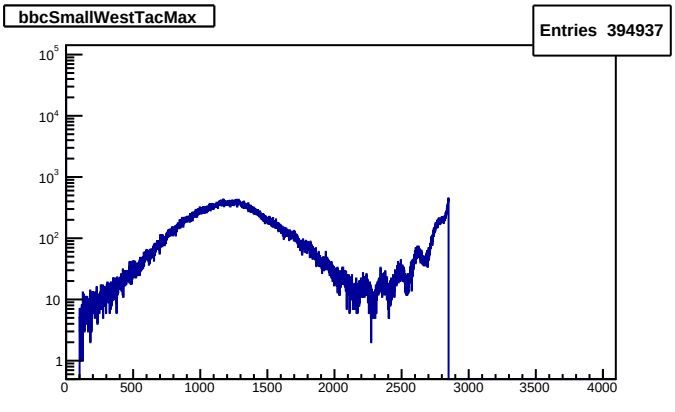
Entries 319762
Data
Simu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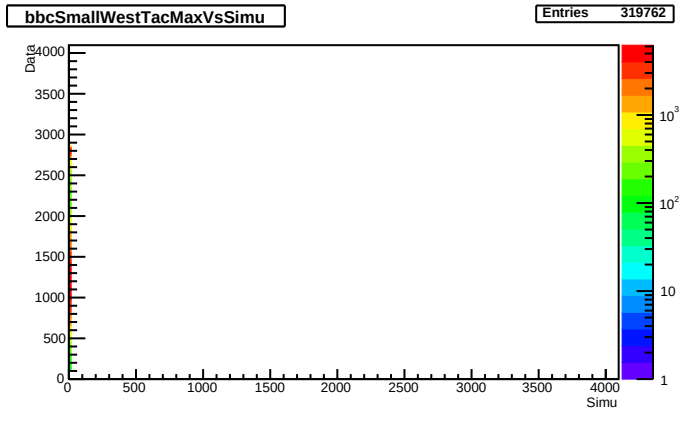
Entries 394937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Entries 319762
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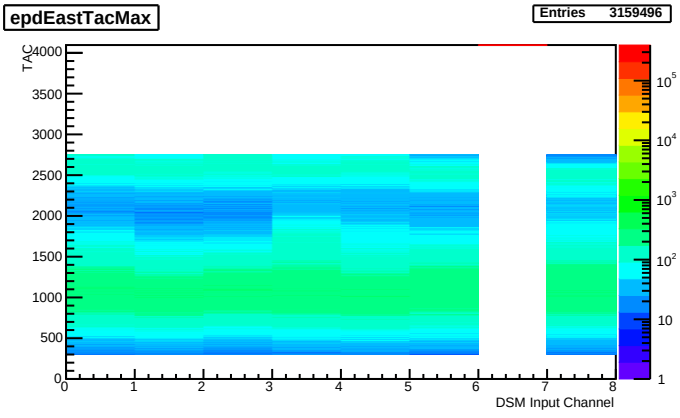
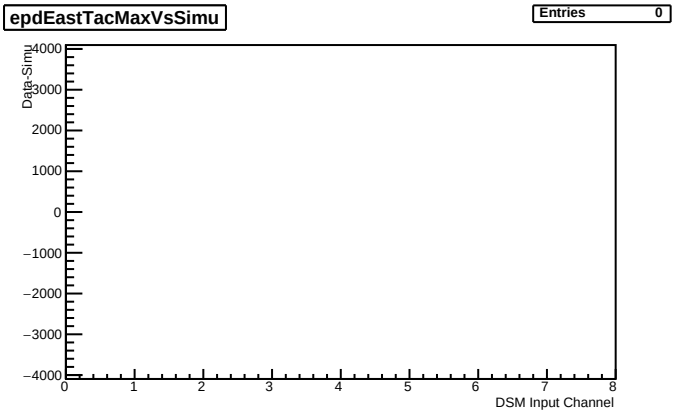
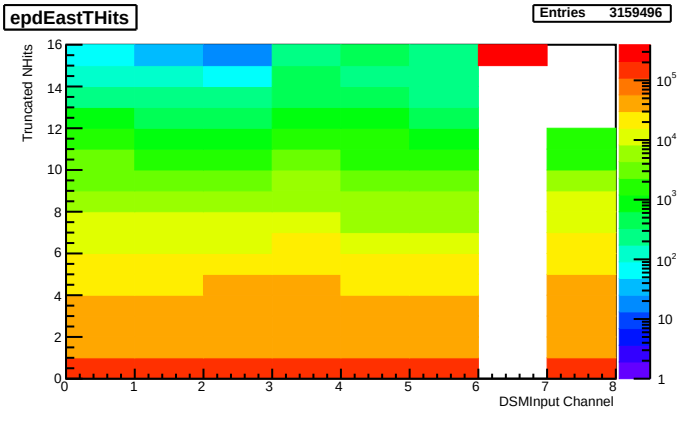
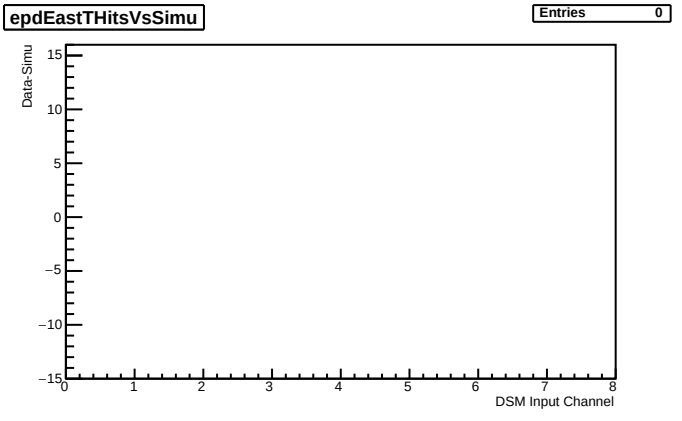
Simu


epdEastTacMax
Entries 3159496
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3159496
Truncated NHits
DSMInput Channel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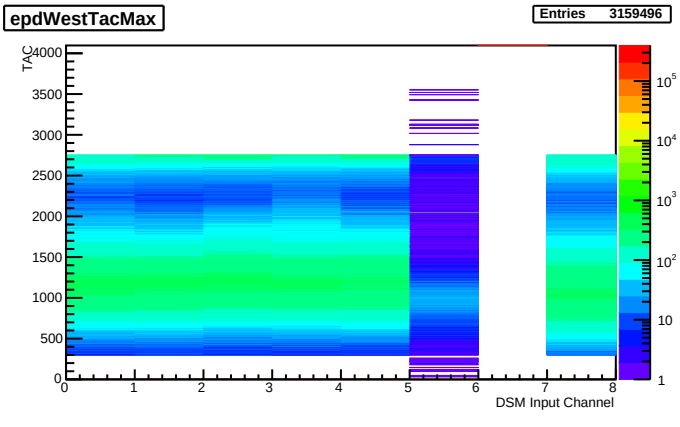
Data-Simu
DSM Input Channel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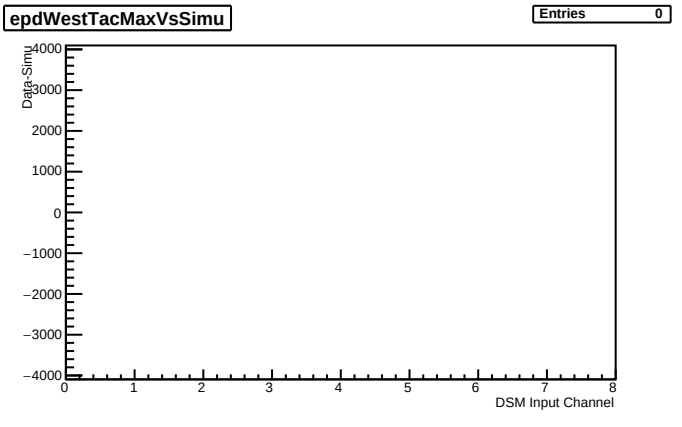
TAC
DSM Input Channel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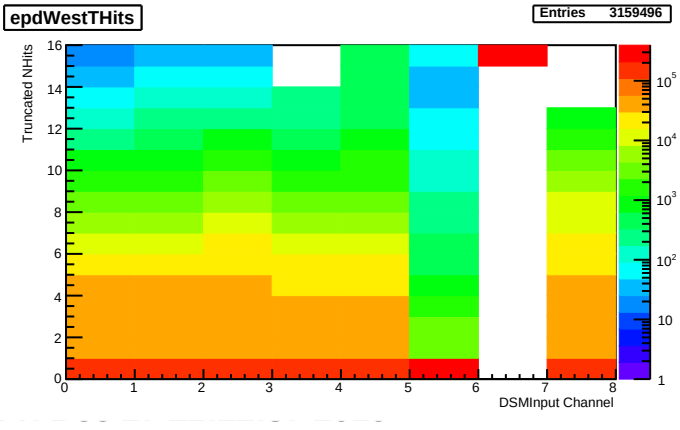
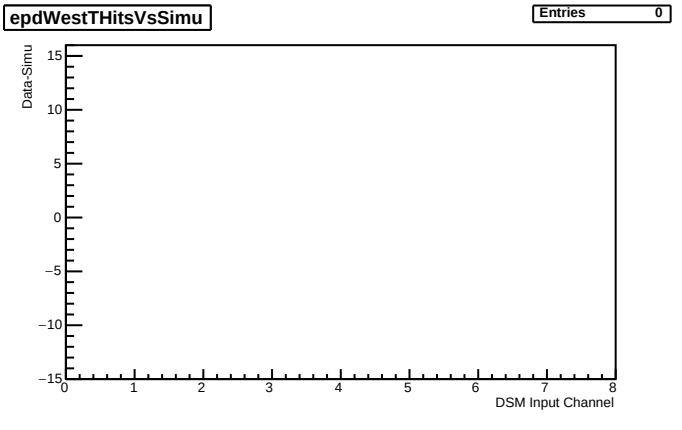
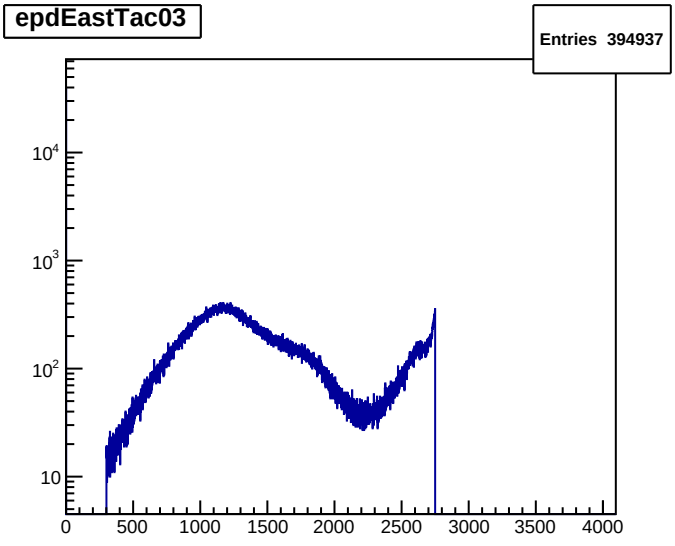
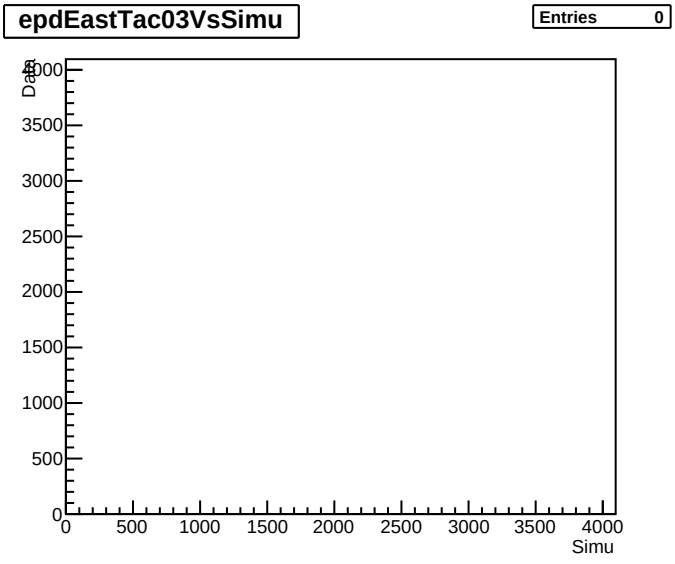
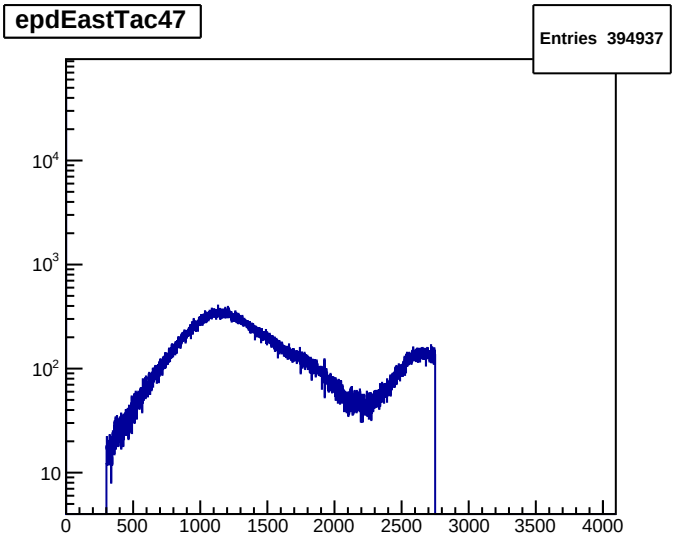
Data-Simu
DSM Input Channel

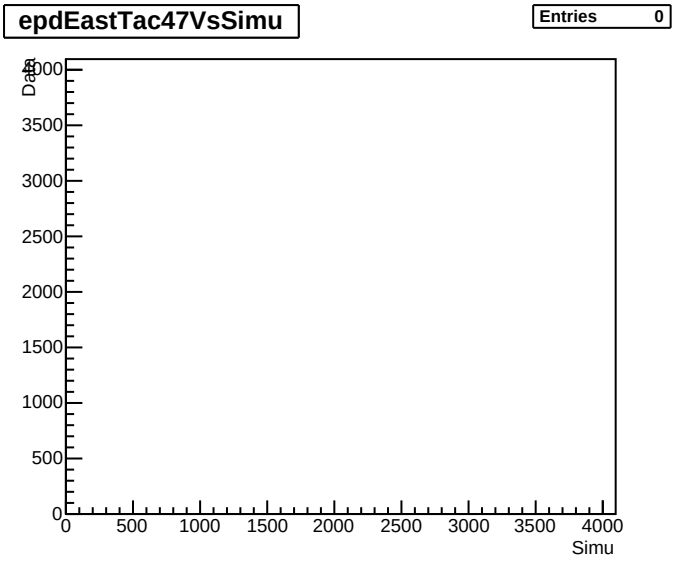

epdWestTHits
Entries 3159496
Truncated NHits
DSMInput Channel

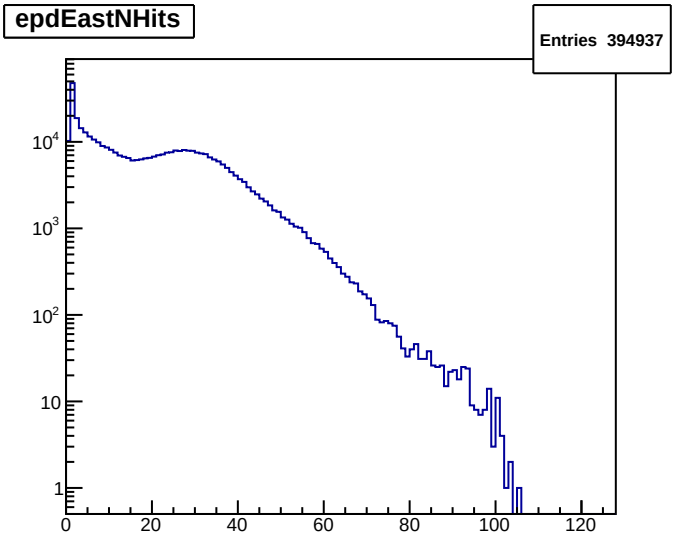

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

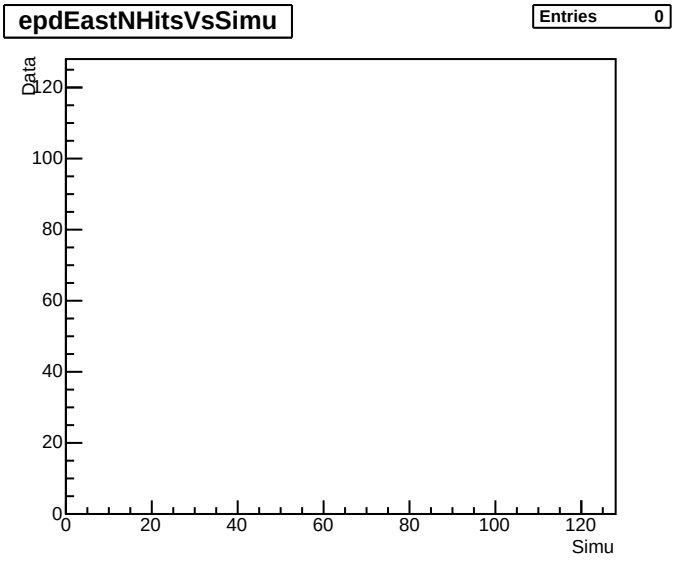

epdEastTac03
Entries 394937


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 394937


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 394937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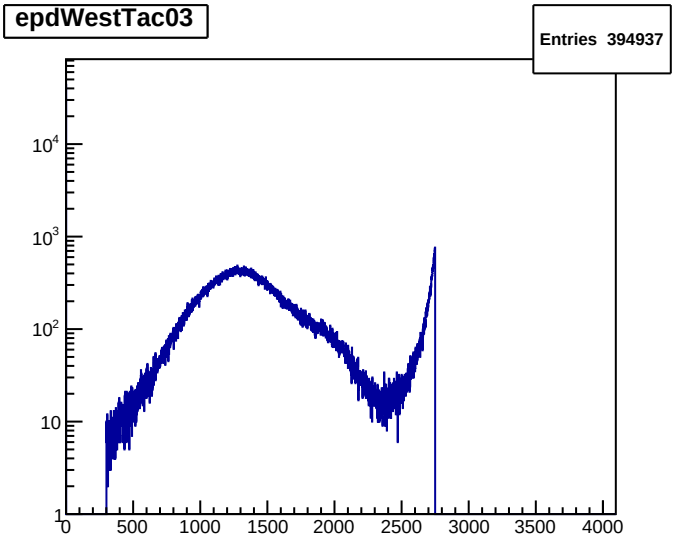
Entries 0
Data
Simu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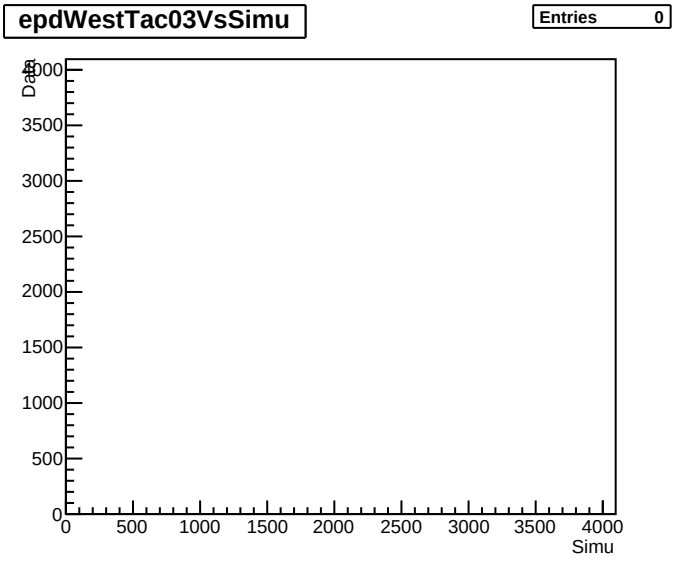
Entries 394937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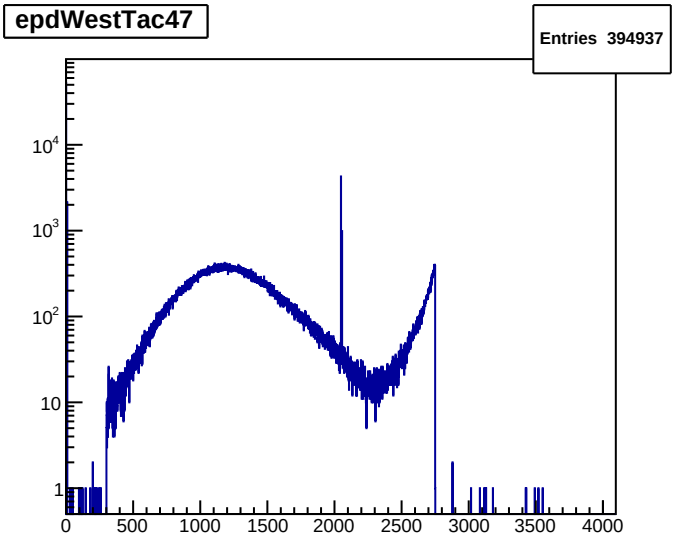
Entries 0
Data
Simu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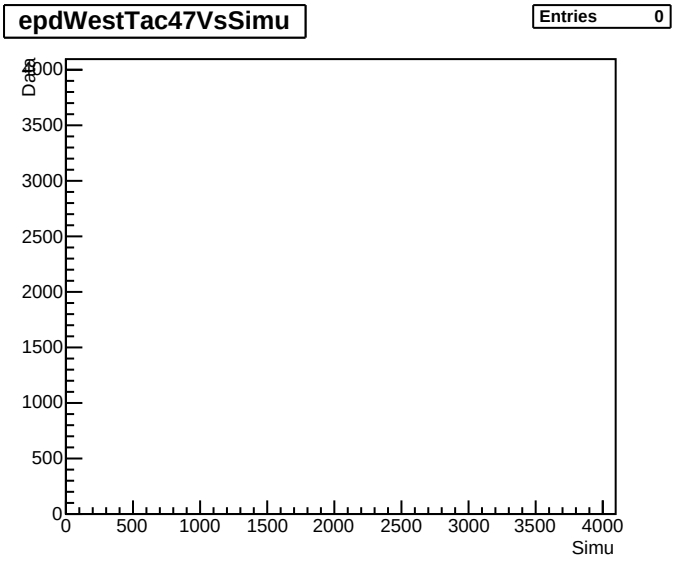
Entries 394937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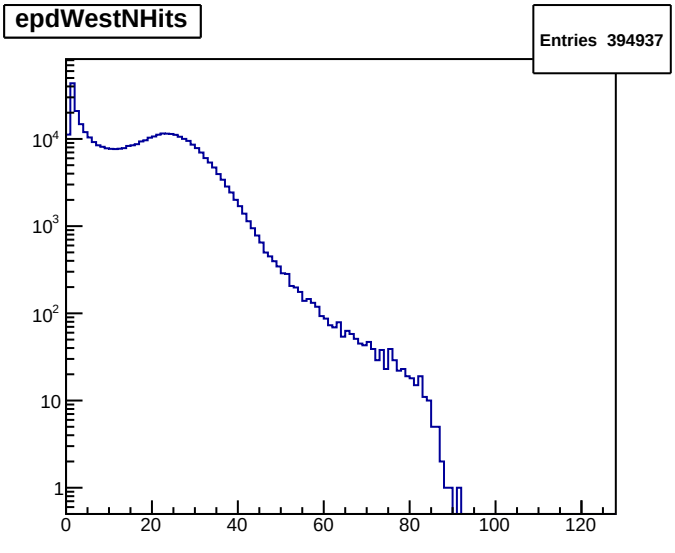
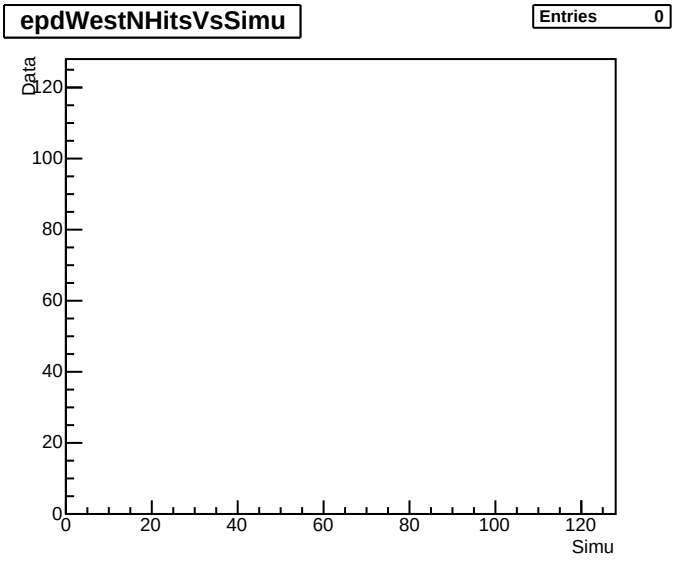
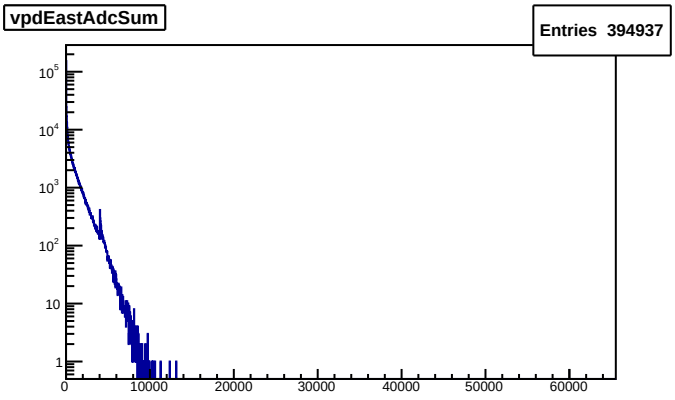
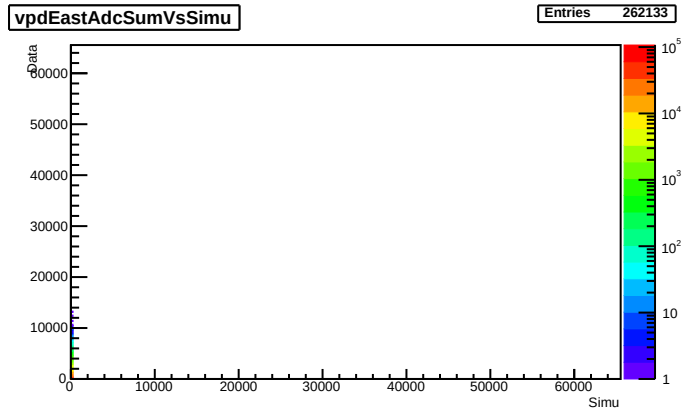
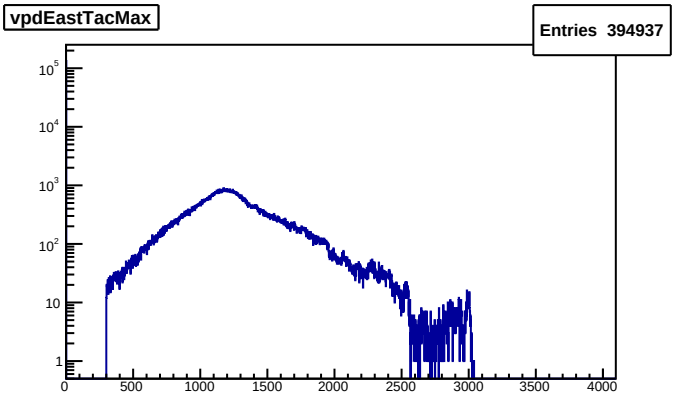
Entries 0
Data
Simu

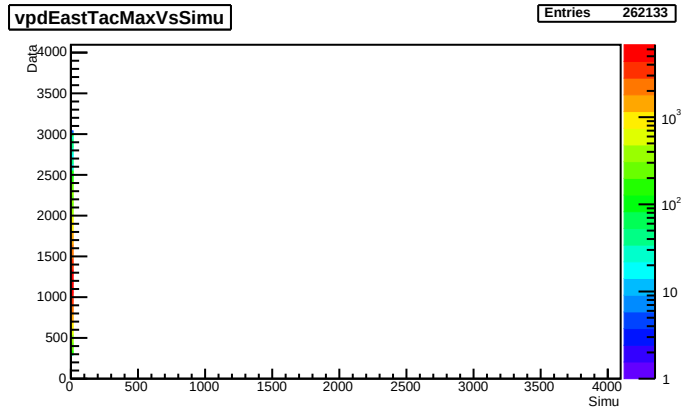

epdWestNHits
Entries 394937

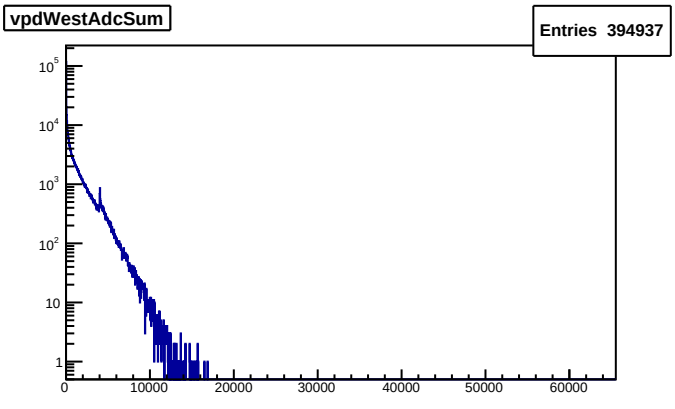

epdWestNHitsVsSimu
Entries 0
Data
Simu

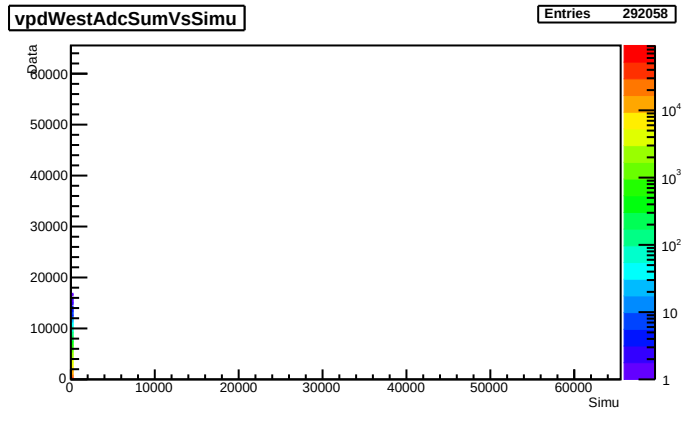

vpdEastAdcSum
Entries 394937

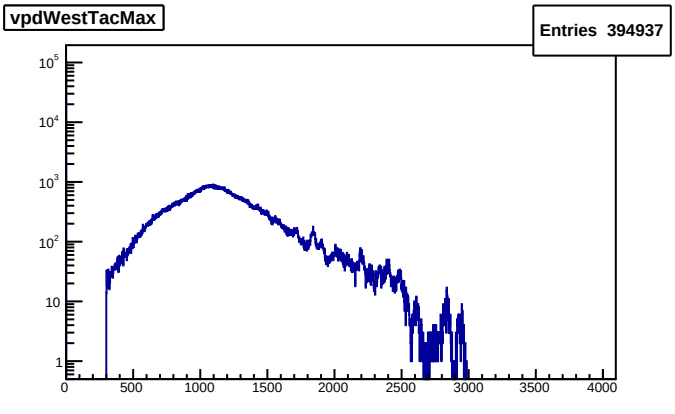

vpdEastAdcSumVsSimu
Entries 262133
Data
Simu

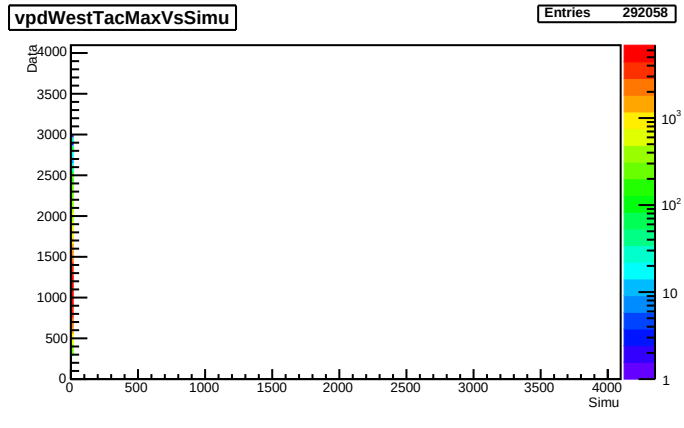

vpdEastTacMax
Entries 394937

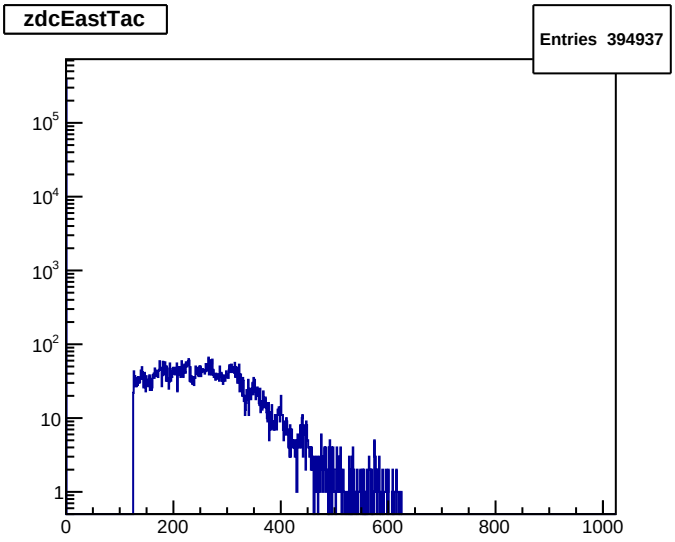

vpdEastTacMaxVsSimu
Entries 262133
Data
Simu

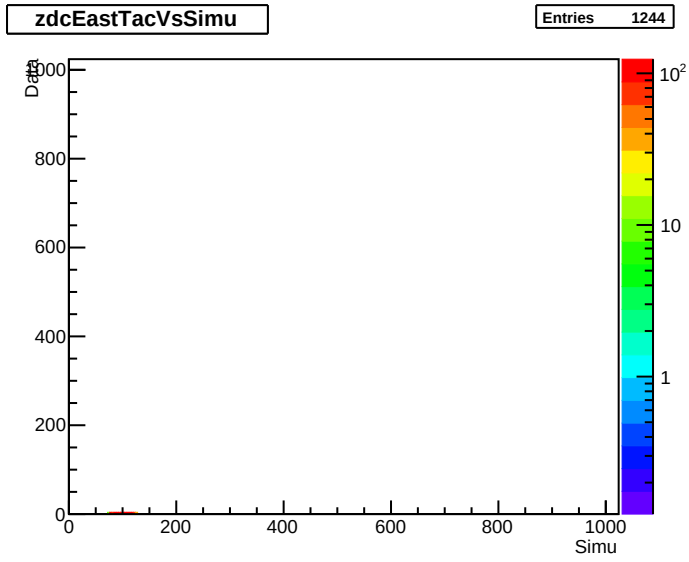

vpdWestAdcSum
Entries 394937

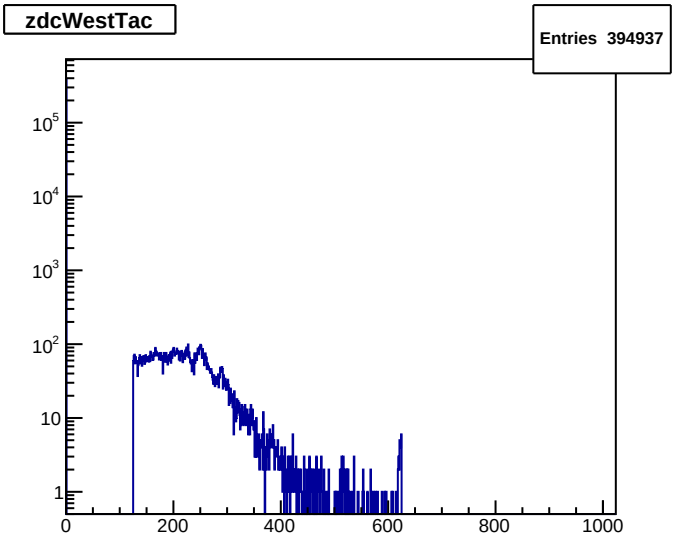

vpdWestAdcSumVsSimu
Entries 292058
Data
Simu

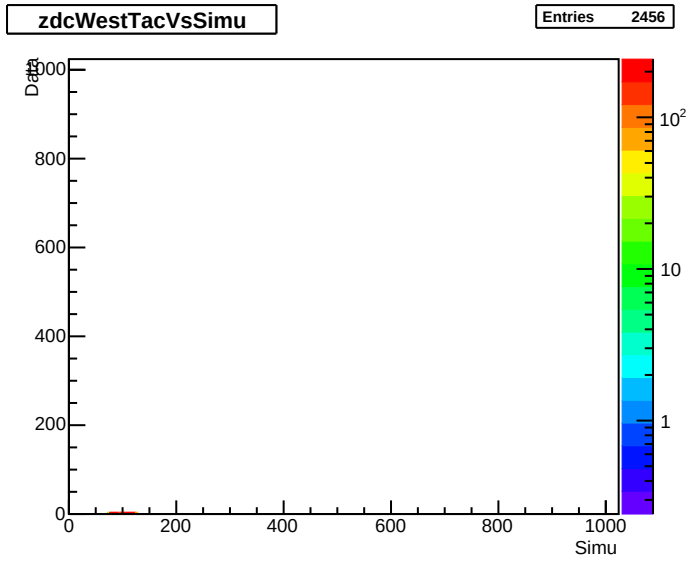

vpdWestTacMax
Entries 394937

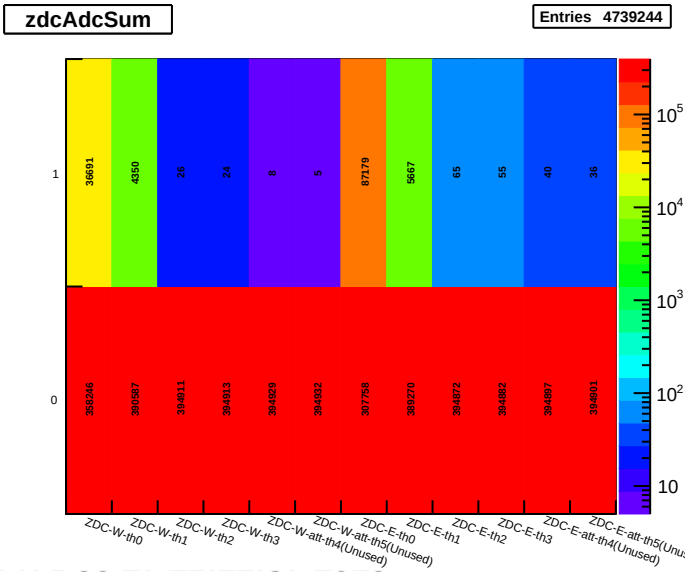

vpdWestTacMaxVsSimu
Entries 292058
Data
Simu

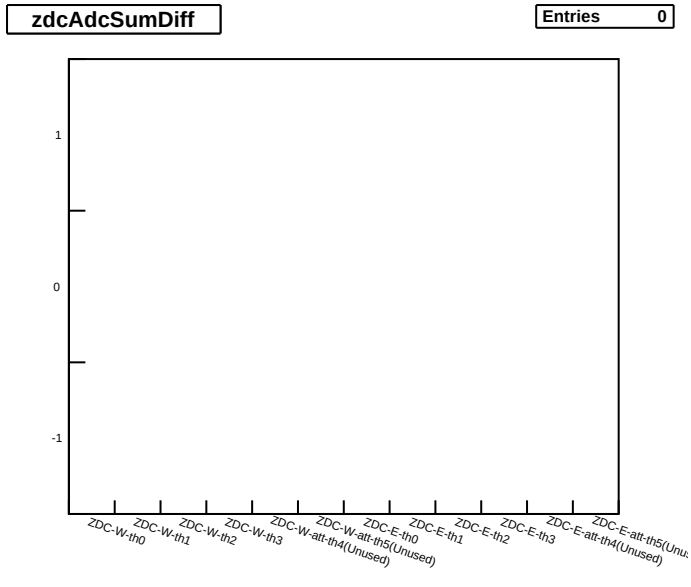

zdcEastTac
Entries 394937

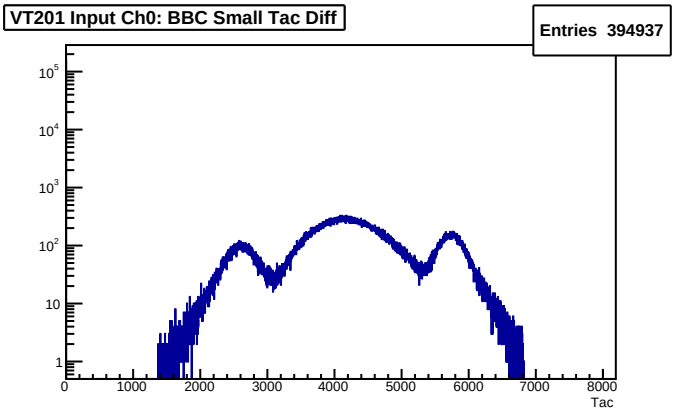

zdcEastTacVsSimu
Entries 1244
Data
Simu

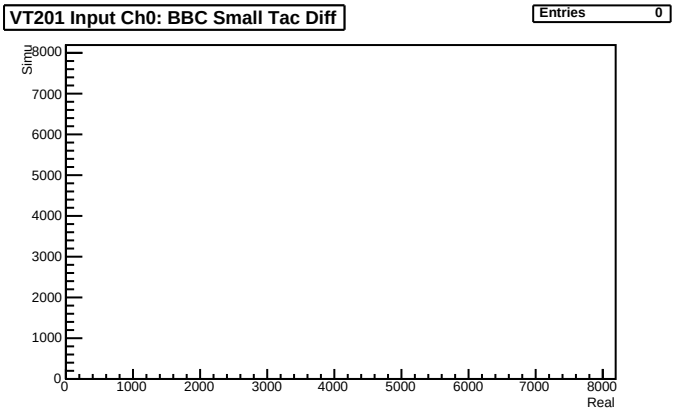

zdcWestTac
Entries 394937

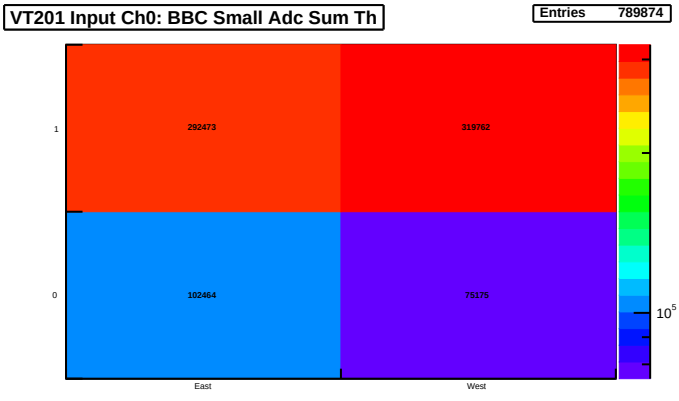

zdcWestTacVsSimu
Entries 2456
Data
Simu

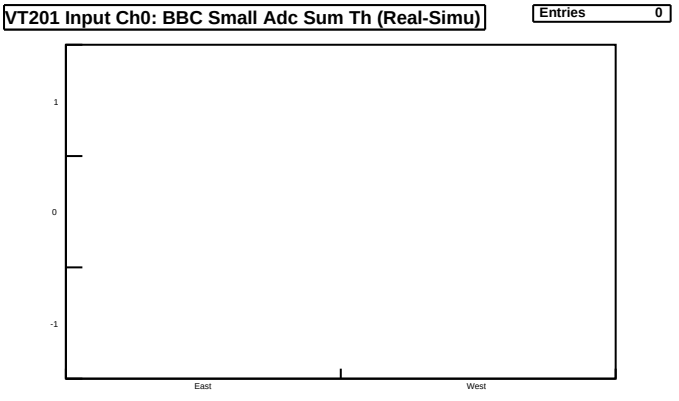

zdcAdcSum
Entries 4739244
36691
4350
26
24
8
5
87179
5667
65
55
40
36
358246
390587
394811
394813
394829
394832
307758
389270
394872
394882
394897
394901
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

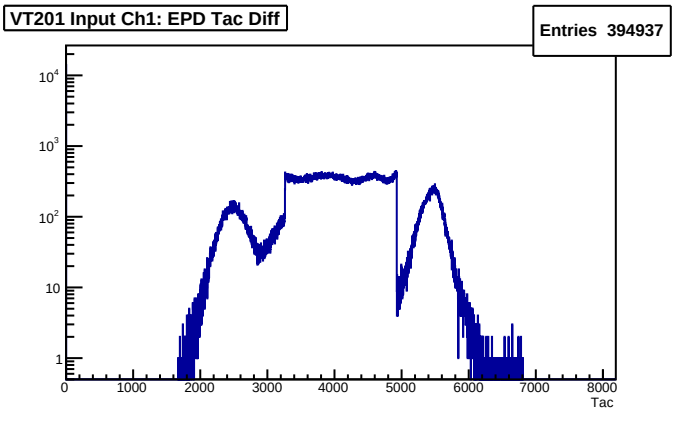

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

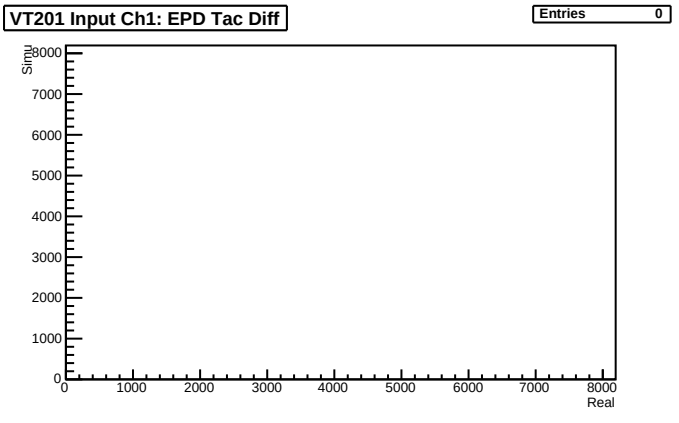

VT201 Input Ch0: BBC Small Tac Diff
Entries 394937
Tac

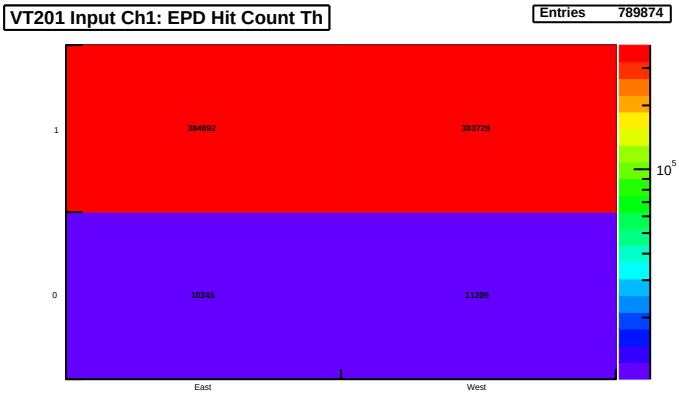

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

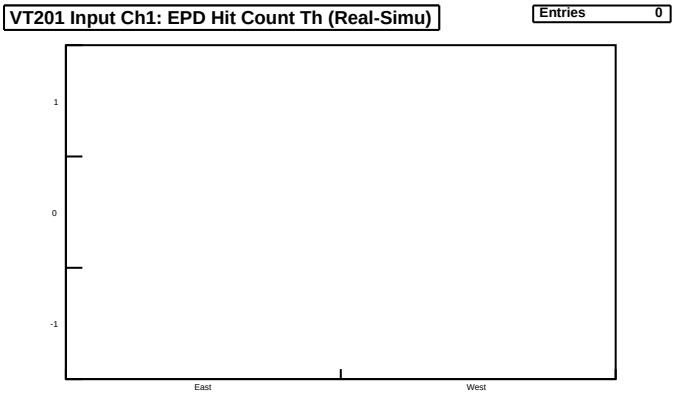

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 789874
292473
319762
102464
75175
East
West

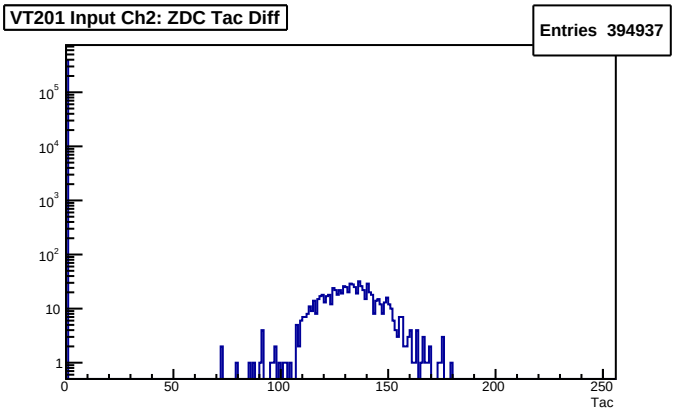

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

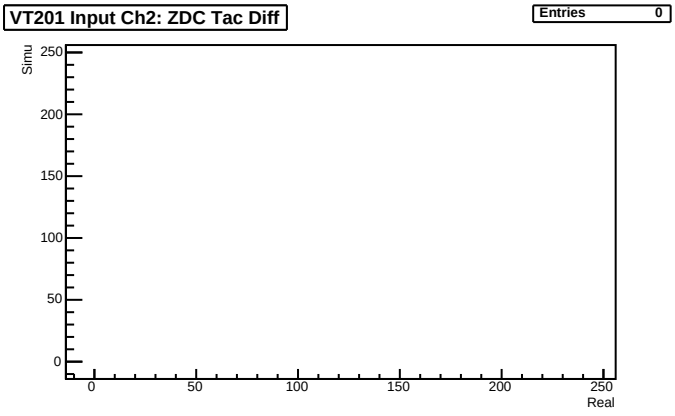

VT201 Input Ch1: EPD Tac Diff
Entries 394937
Tac

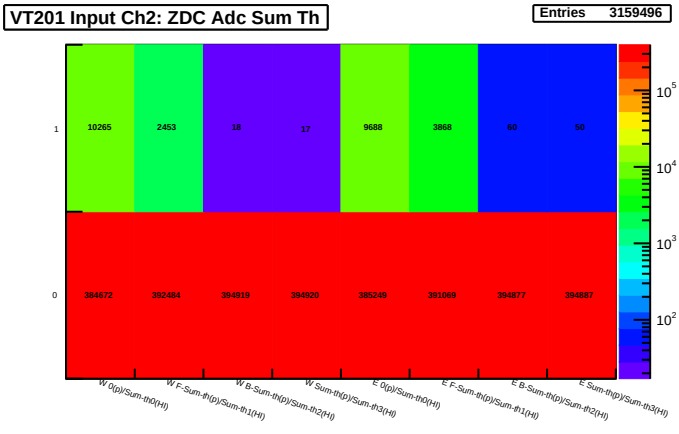

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

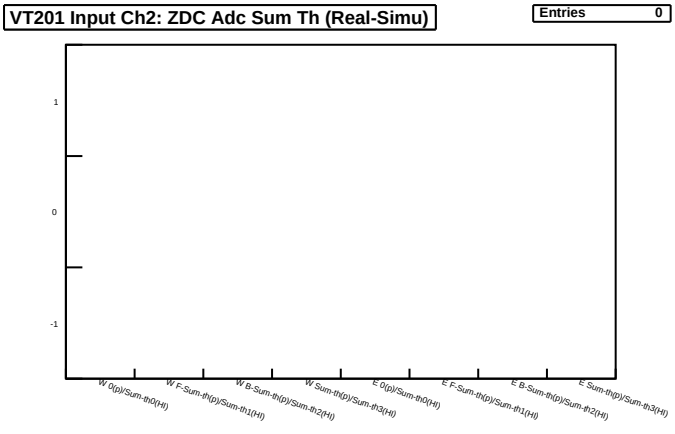

VT201 Input Ch1: EPD Hit Count Th
Entries 789874
384692
383728
10245
11209
East
West

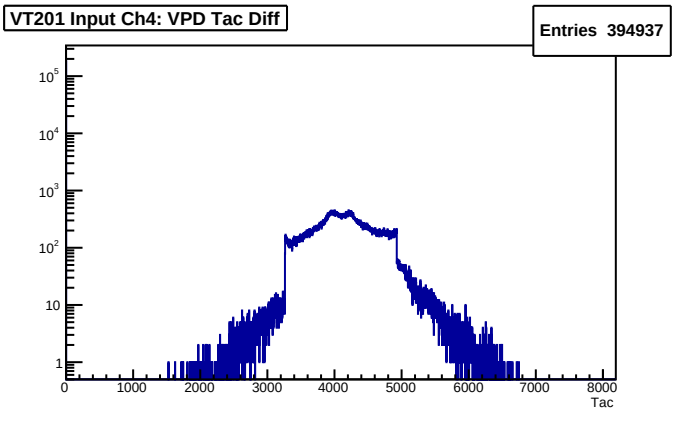

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

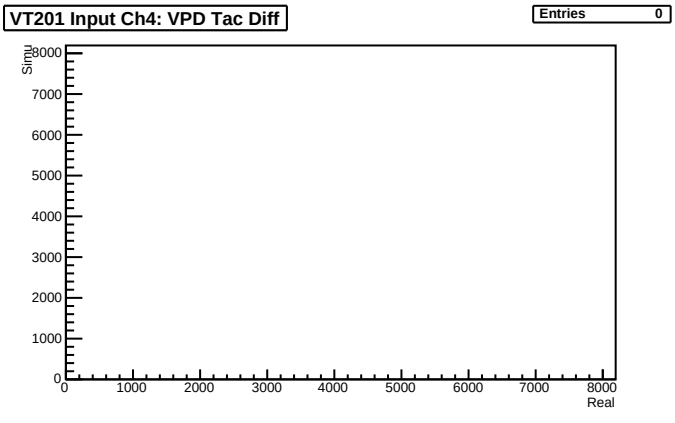

VT201 Input Ch2: ZDC Tac Diff
Entries 394937
Tac

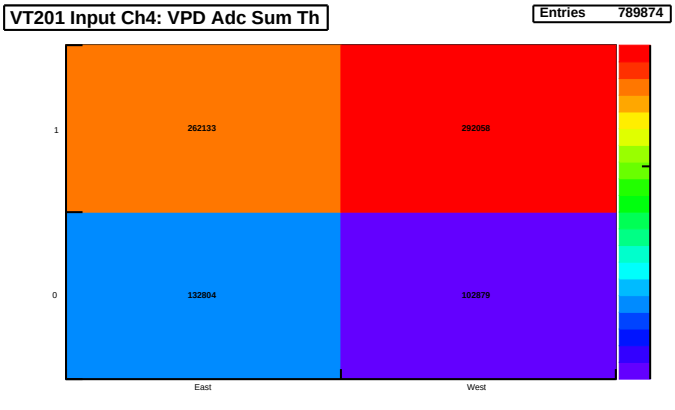

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

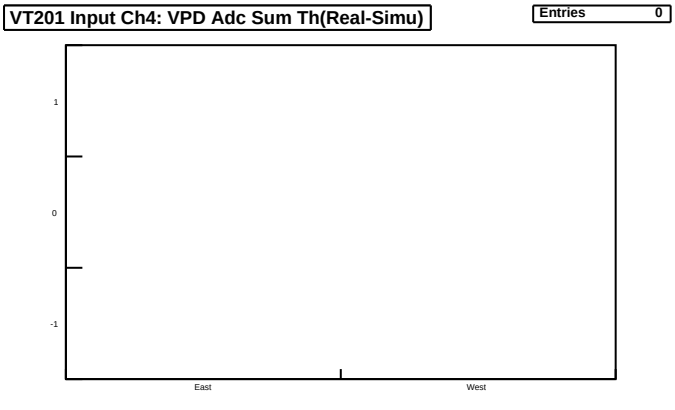

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3159496
10265
2453
18
17
9688
3868
60
50
384672
392484
394919
394920
385249
391069
394877
394887
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

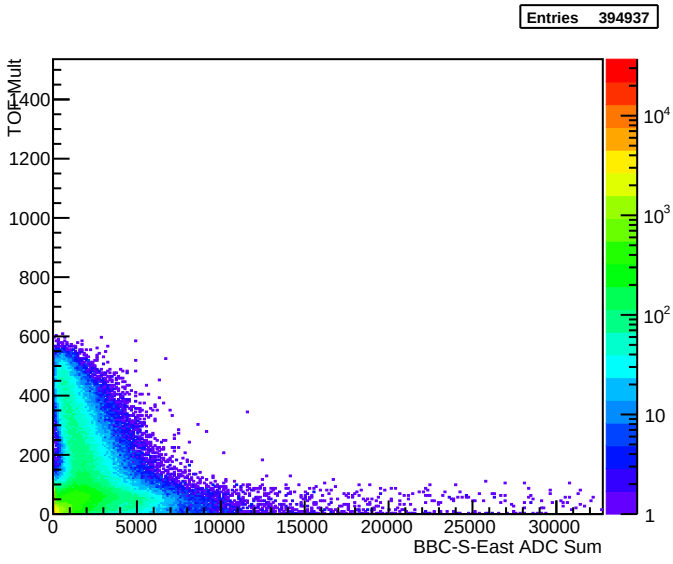

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

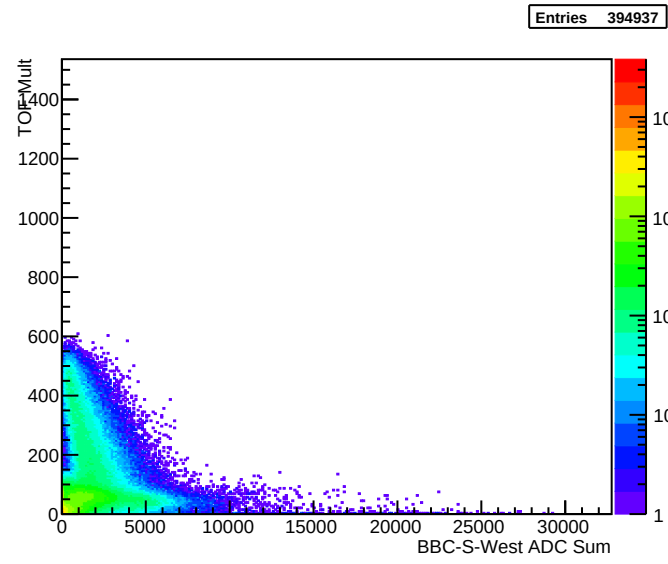

VT201 Input Ch4: VPD Tac Diff
Entries 394937
Tac

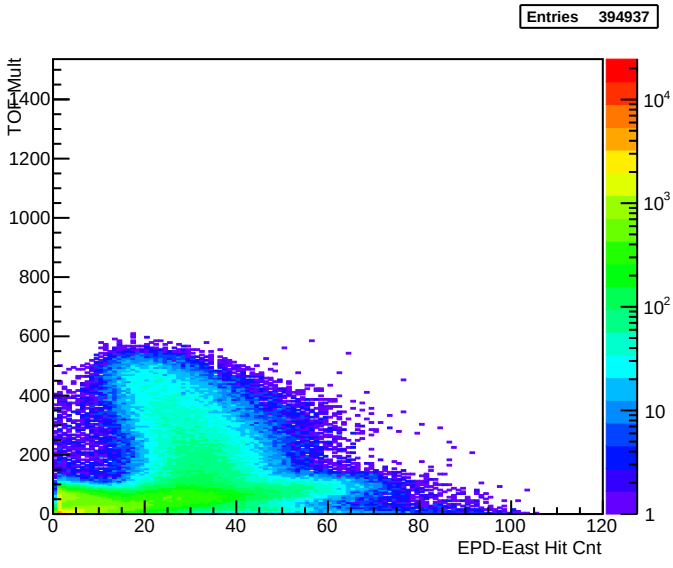

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

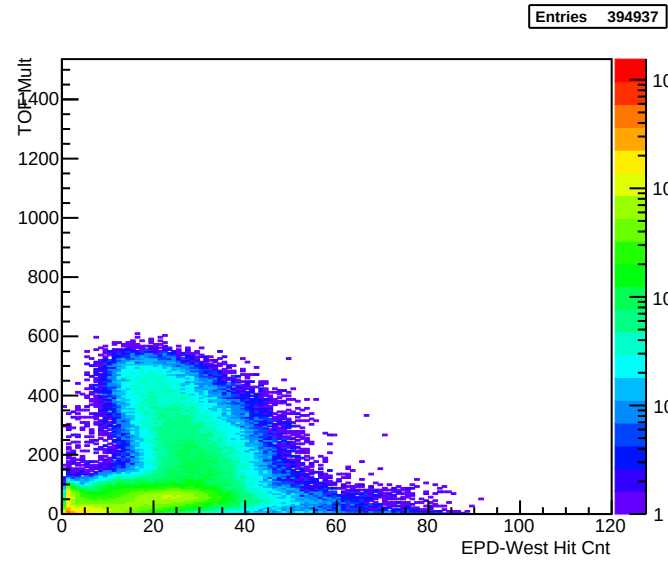

VT201 Input Ch4: VPD Adc Sum Th
Entries 789874
262133
292058
132804
102879
East
West

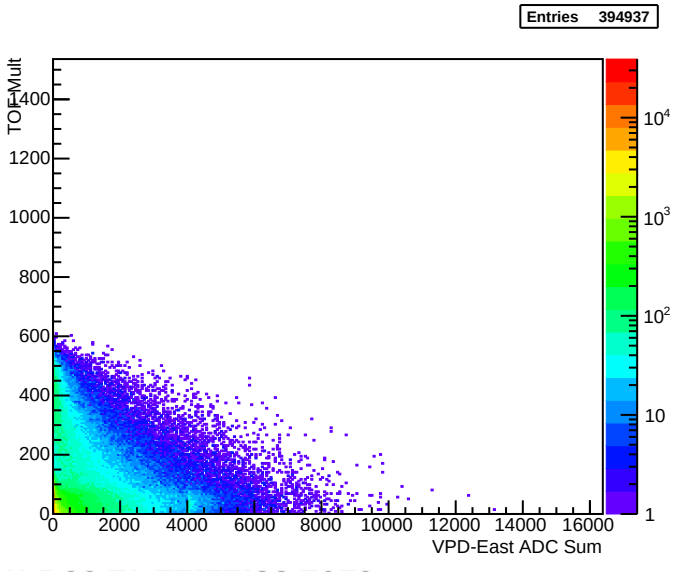

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

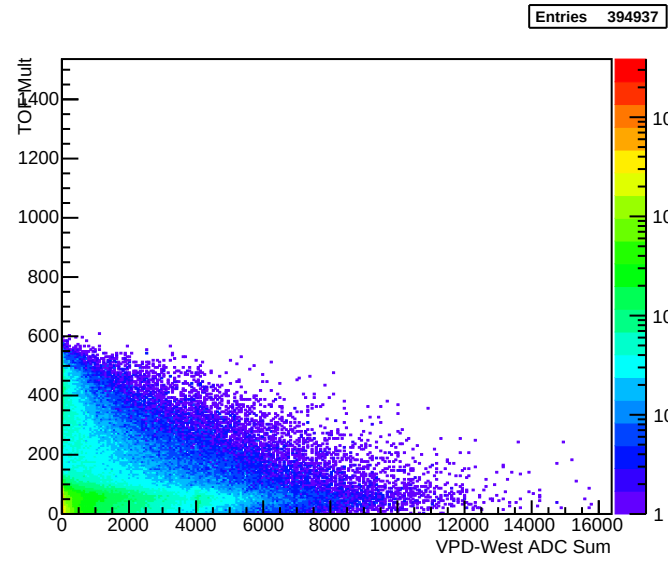

Entries 394937
TOF-Mult
BBC-S-East ADC Sum

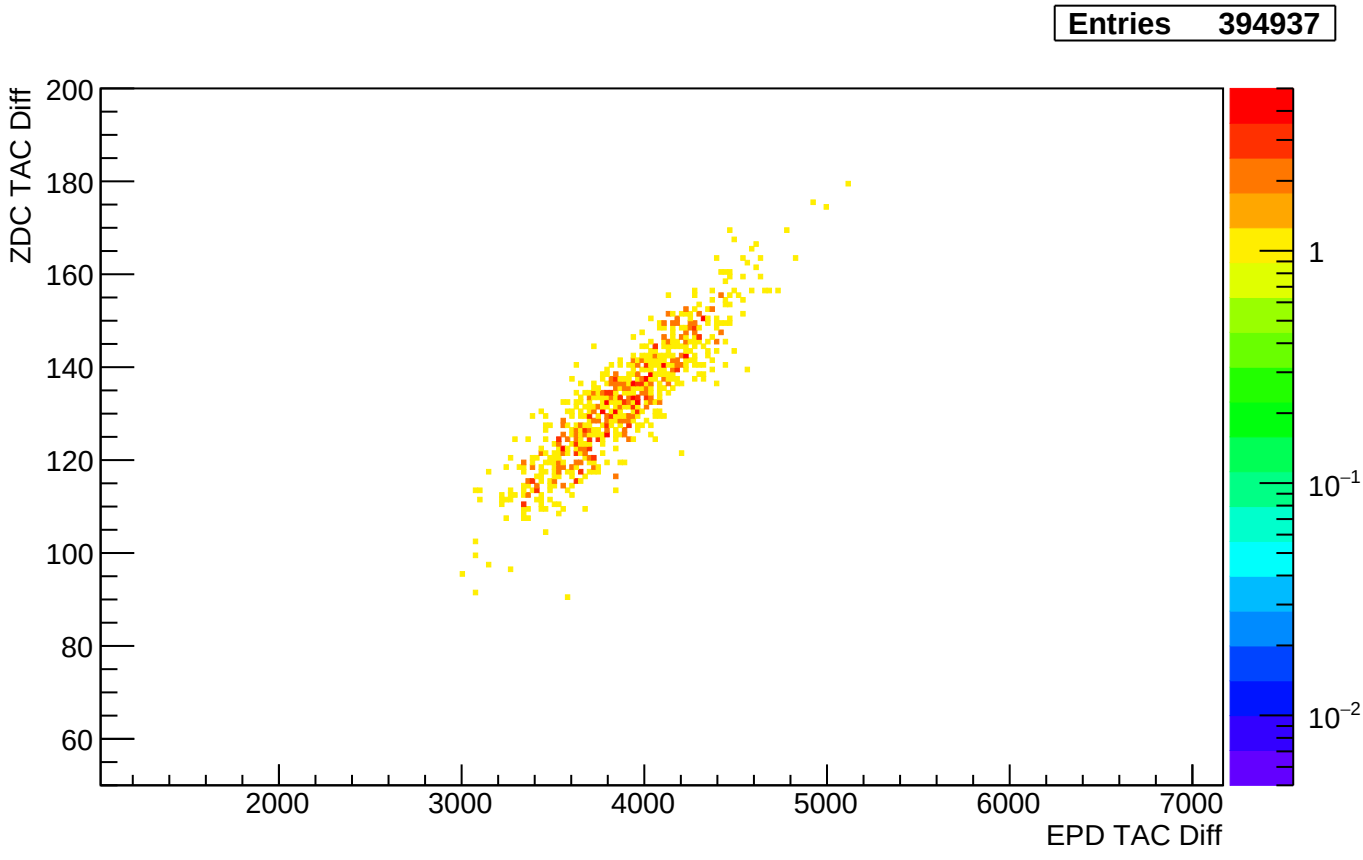

Entries 394937
TOF-Mult
BBC-S-West ADC Sum

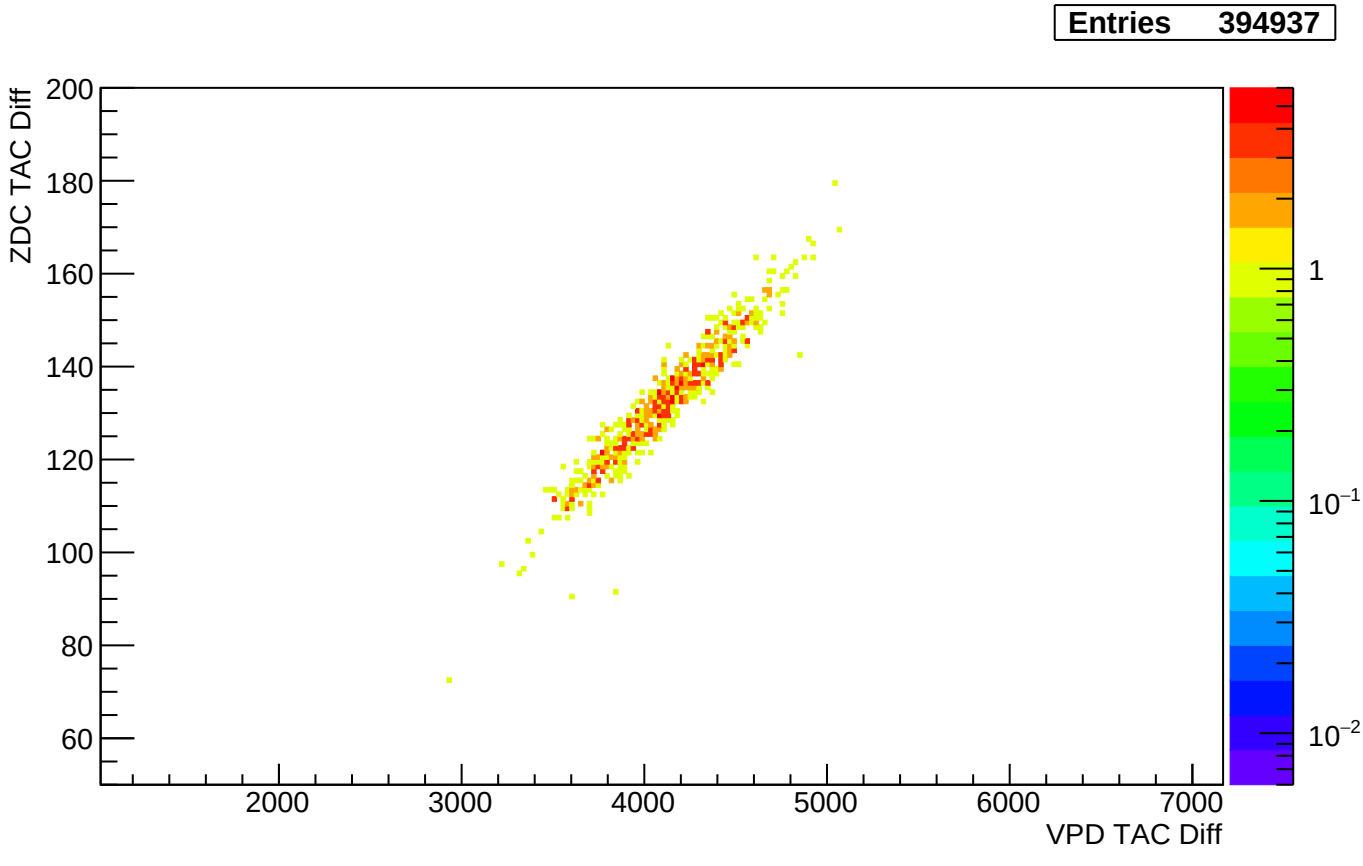

Entries 394937
TOF-Mult
EPD-East Hit Cnt

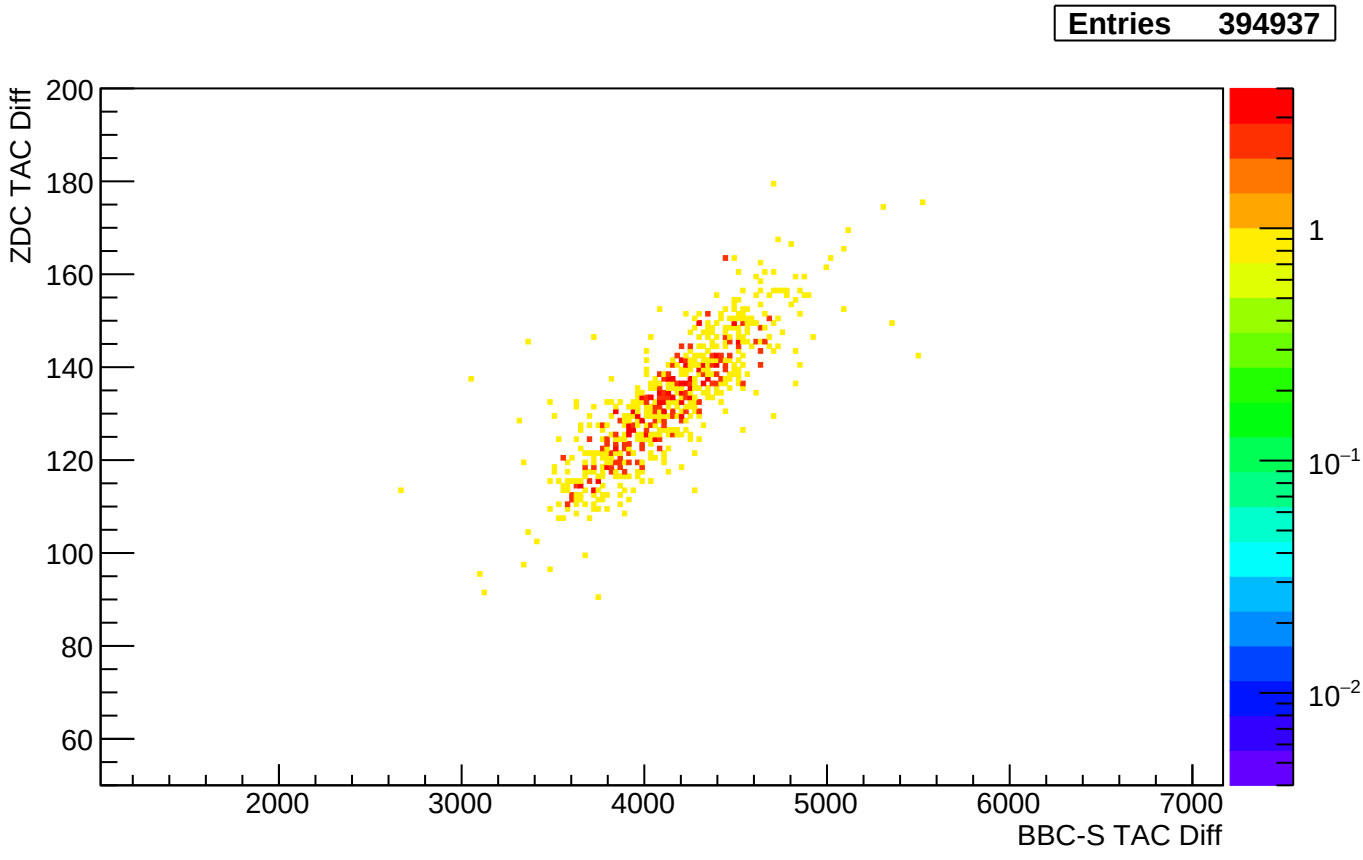

Entries 394937
TOF-Mult
EPD-West Hit Cnt

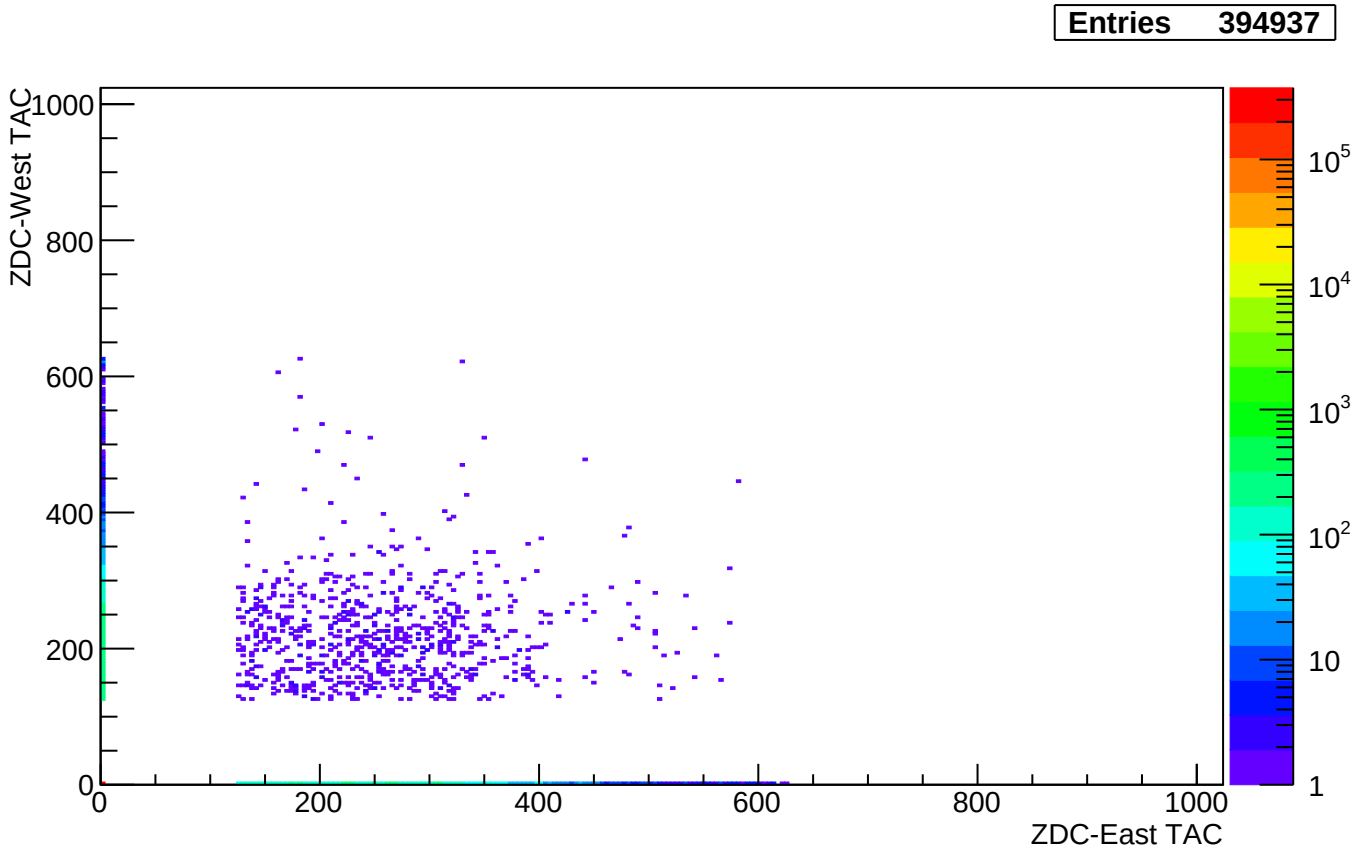

Entries 394937
TOF-Mult
VPD-East ADC Sum

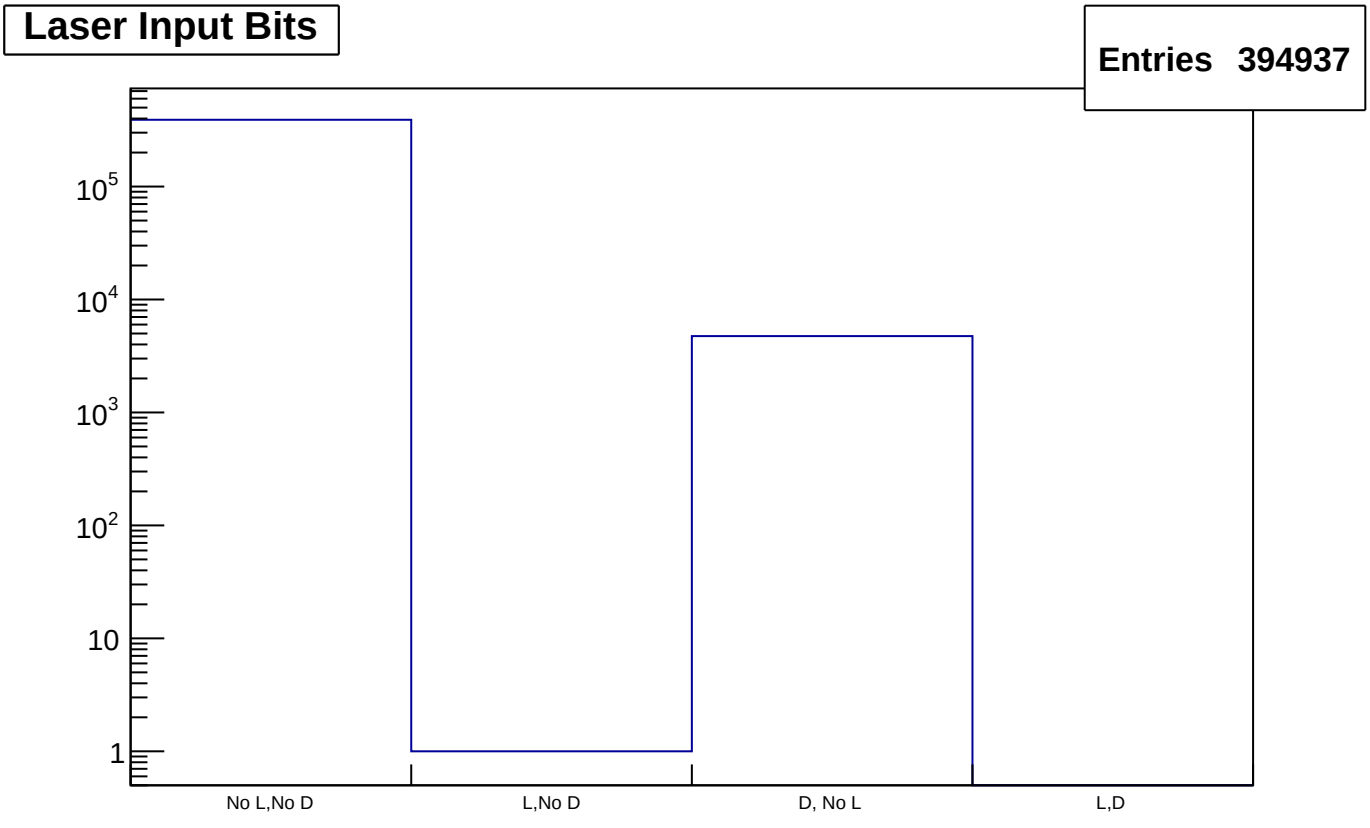

Entries 394937
TOF-Mult
VPD-West ADC Sum

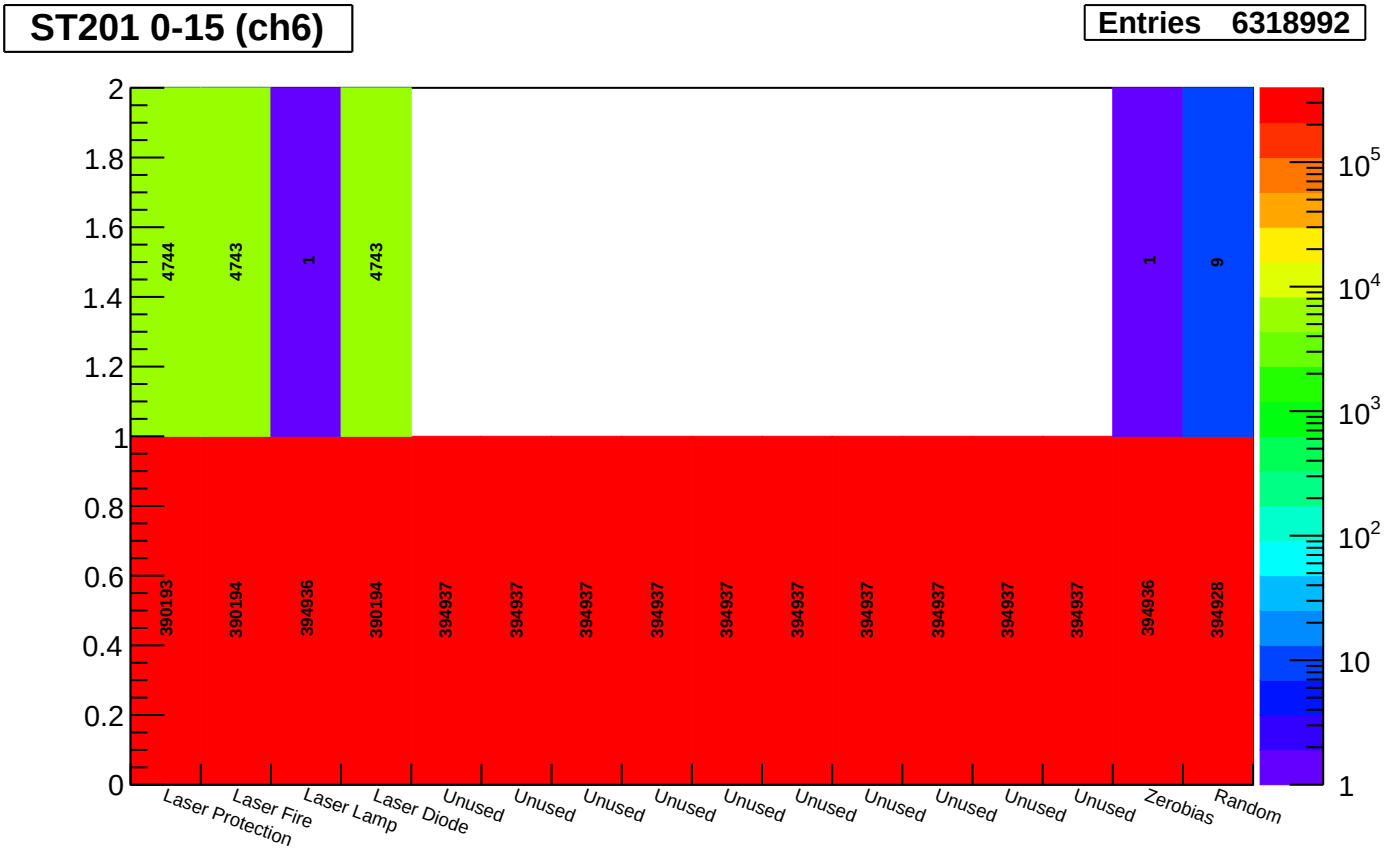

Entries 394937
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

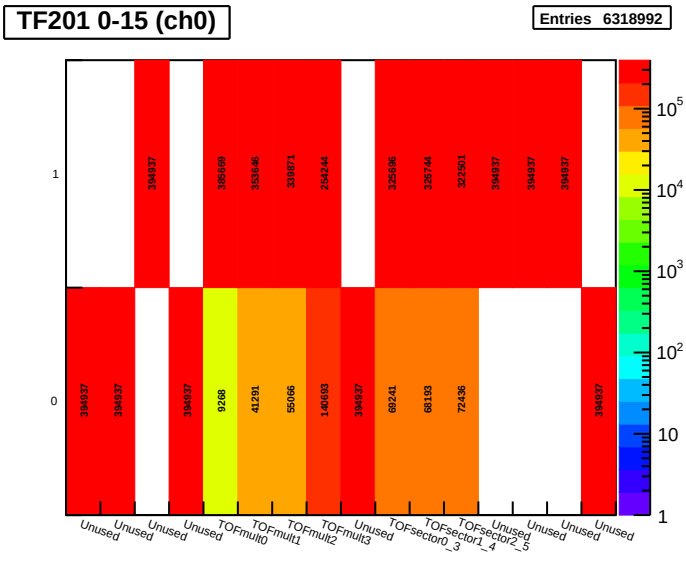

Entries 394937
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

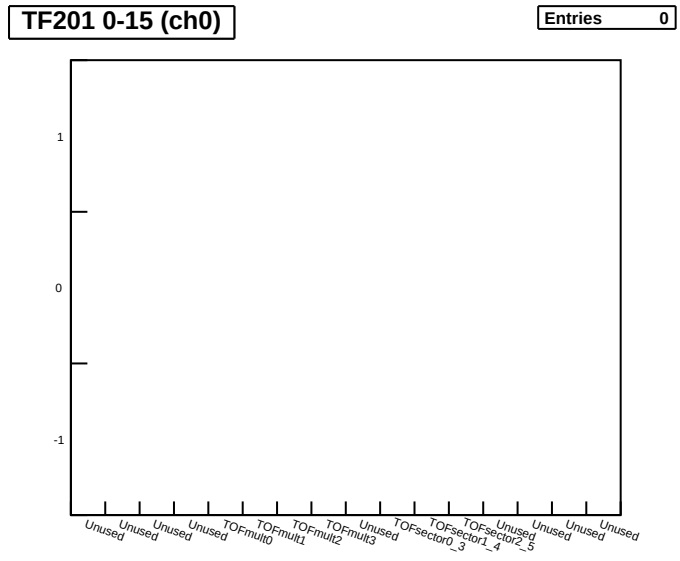

Entries 394937
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

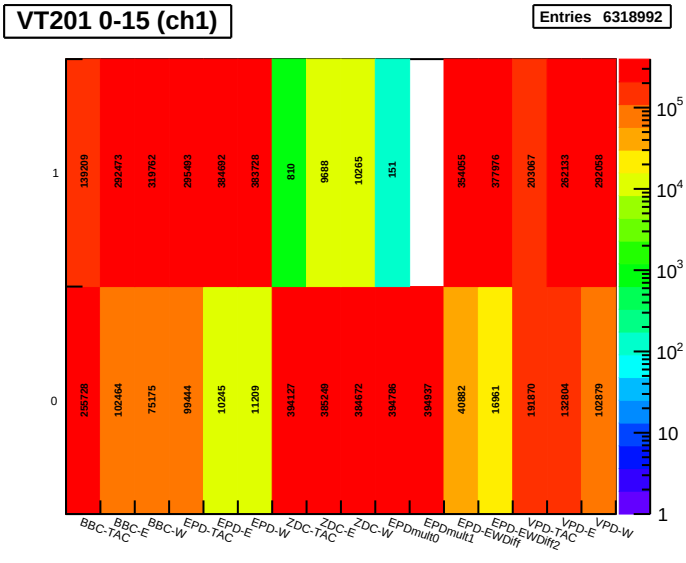

Entries 394937
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

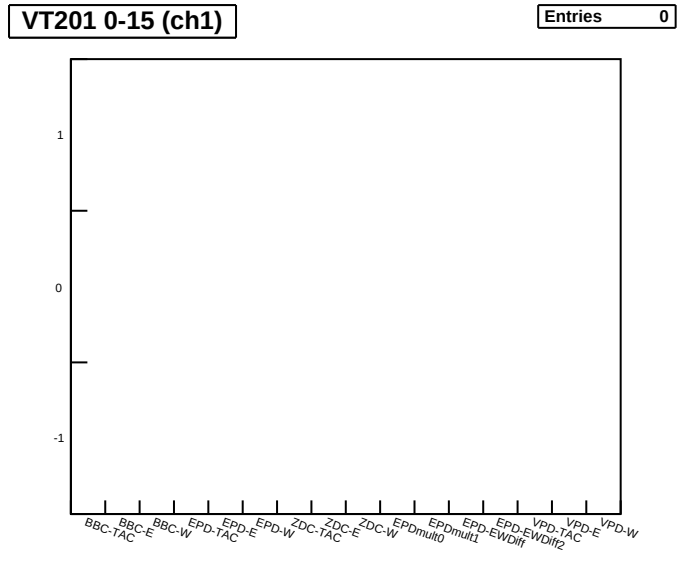

Laser Input Bits
Entries 394937
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

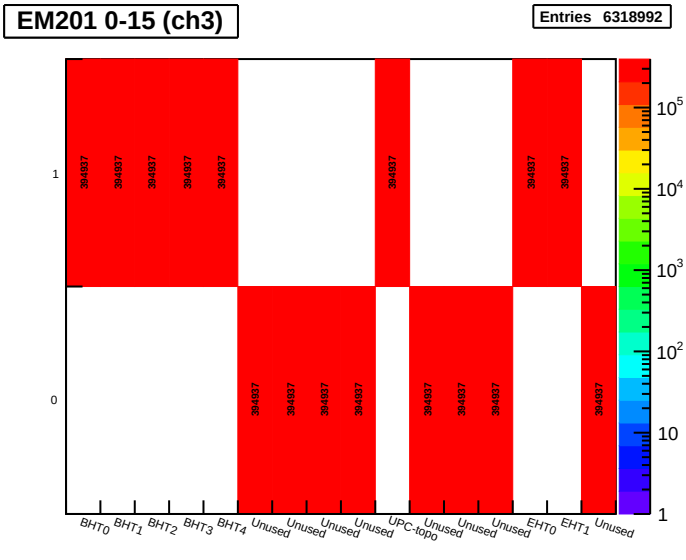

ST201 0-15 (ch6)
Entries 6318992
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4744
4743
1
4743
1
9
390193
390194
394936
390194
394937
394937
394937
394937
394937
394937
394937
394937
394937
394937
394936
394928
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

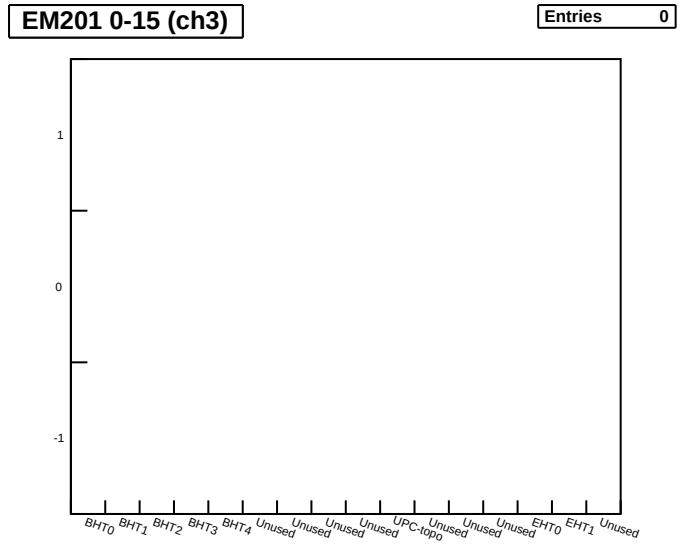

TF201 0-15 (ch0)
Entries 6318992
1
0
394937 394937 394937 394937 385669 353646 339871 254244 325696 326744 322501 394937 394937 394937
394937 394937 394937 9268 41291 55066 140693 394937 69241 68193 72436 394937
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^5 10^4 10^3 10^2 10 1


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused


VT201 0-15 (ch1)
Entries 6318992
1
0
139209 292473 319762 295493 364692 383728 810 9688 10265 151 354055 377976 203067 262133 292058
235728 102464 75175 99444 10245 11209 394127 388249 394672 394786 394937 40882 16961 191870 132804 102879
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W
10^5 10^4 10^3 10^2 10 1


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W


EM201 0-15 (ch3)
Entries 6318992
1
0
394937 394937 394937 394937 394937 394937 394937 394937 394937
394937 394937 394937 394937 394937 394937 394937 394937
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^5 10^4 10^3 10^2 10 1


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused